

Isaac Hoag

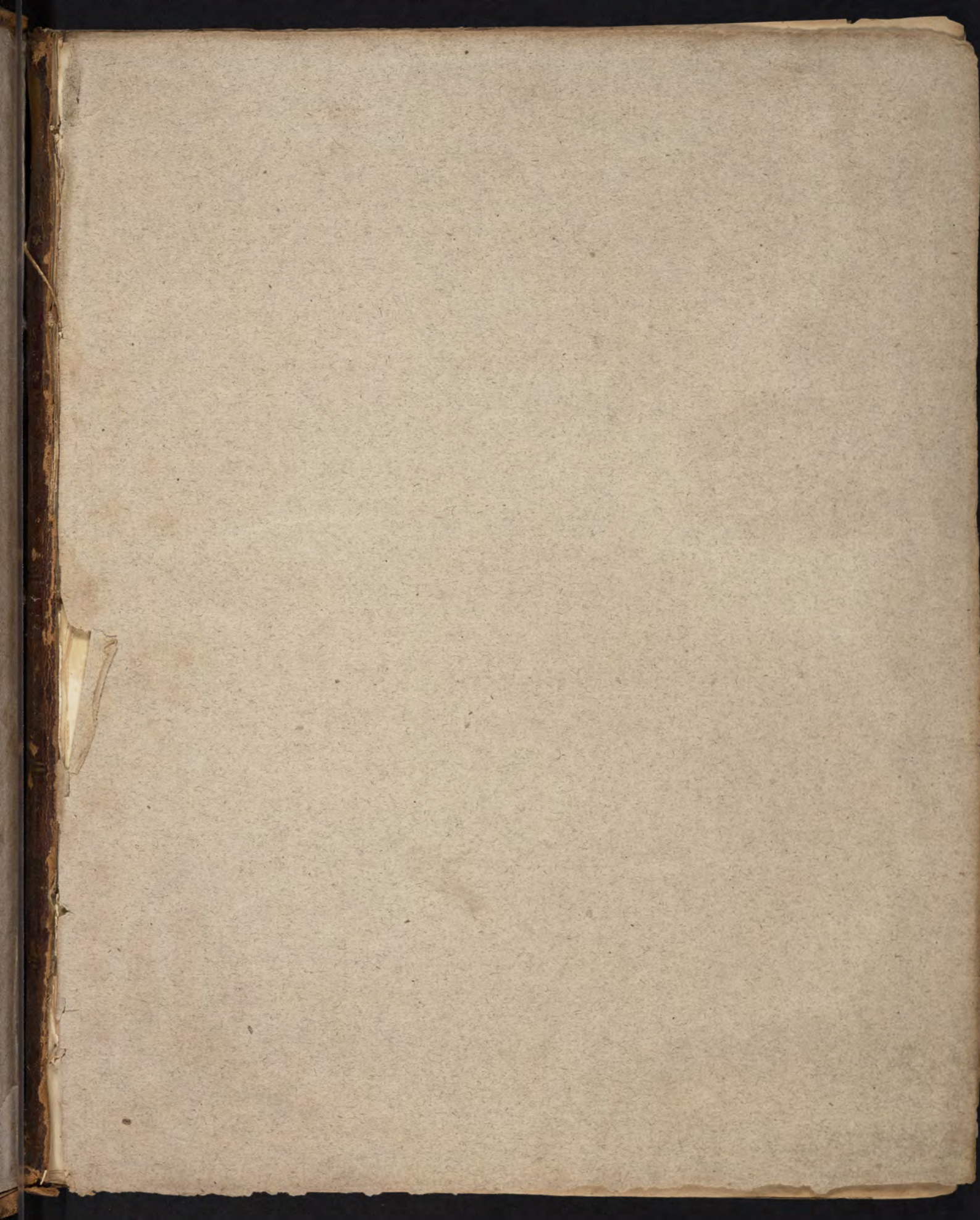
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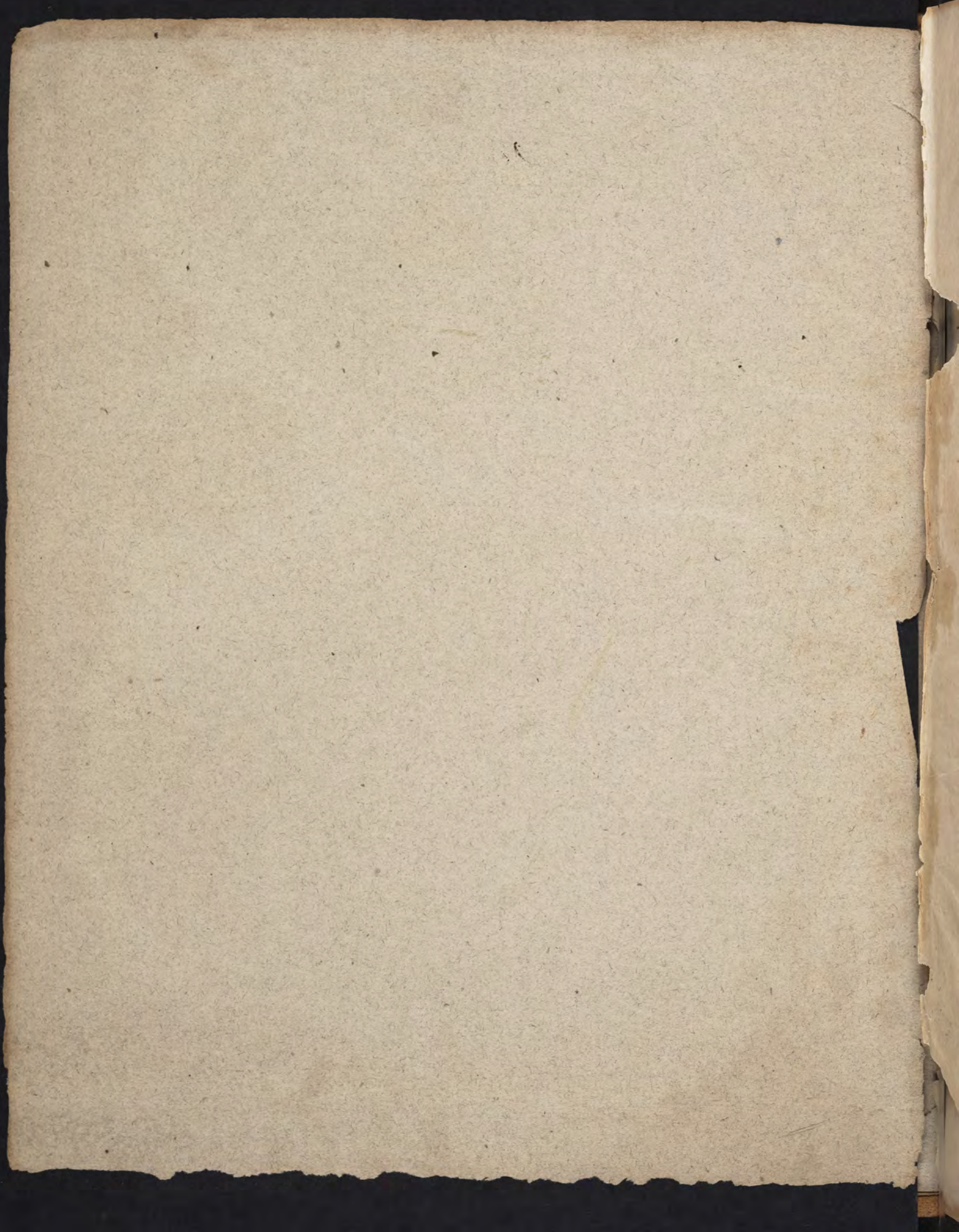


Class

No. 1016

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104





Pathology at John Sommer 1810
Gentlemen Gentlemen, Hitherto we have
Hitherto, we have considered

The living body in a healthy state.
Such as Divines consider man before his
fall; but now we will consider him
in an imperfect or diseased state —
Sickness and death as moral evil are
the consequences of the perfection of
primæval innocence, which, when lost,
are followed by these effects, every el-
ement in nature took part with the
creator & conspired with him against
man. —

Then action however was ^{but} ~~feasible~~ at first.
as we find by the age of some who lived
to almost 1000 years; & it was not till
after the deluge that the life of man
was shortened to the present age: The
influence of war, together with the

Philology

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For the

Letter to the

The thing is, we are not to be
in a hurry to judge of the
value of the evidence. We must
wait until we have seen the
whole of it. We must not be
led by appearances. We must
look at the facts as they are,
and not as we wish them to be.
We must not be misled by
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We must not be misled by the
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We must not be misled by the
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atmosphere combined to produce the short-
ness of life.--

17

That life is a forced state, is no less conso-
nant to physiology than to religion.--
Life consists in the strife or temporary
victory over the causes which produce
death. Let us not suppose that the crea-
tor delights in the misery of his creatures;
so far from this being the case, that
all diseases are blessings in disguise: they are
necessary to our general good & happiness,
they are of important use. They nat-
urally lead us to studies highly important
to the human race.--

1st Diseases ^{rendered} ~~rendered~~ it necessary for man
to apply himself to the study of anat-
omy.--

2nd They lead us to the study of ana know-
ledge of Physiology.--

3rd To the study of nature, the animal, vi-
getable, and fossil kingdoms, without which
the works of nature would ~~would~~ remain

unexplained, unexplored, & unadmitted.

4th To the study of the human mind, which
furnishes us with exercises for the moral
faculties. For, without diseases, there would
be no charity neither would there be any
Hospitals to relieve the indigent.

5th and 6th As Clark says gives charms to
light, in like manner disease is necessa-
ry to impart a relish for health.

7th It serves to increase our moral virtues
for many owe their virtue to a spell
of sickness.

8th It reconciles us to death, & induces
us to console ourselves under afflictions
for the loss of our friends. In entering on
pathology I am without a guide, Boer-
haave's notions & observations are short
and not suited to the present im-
proved state of medicine. I ambies at-
tempts to bring it into a system are
so full of ~~humours~~ humorous doctrine
that they are of little or no service.

to Students of the present day. —

Pathology treats of the causes, ^{effects,} seats, & signs
of disease. ^{they} may be divided into four

1 Remote.

2 Predisposing.

3 Occasional or exciting. &

4 Proximate or (Ipsa morbus) they are all
links of one chain, for instance, in
inflammatory Fever

1st cold, ^{is} the remote cause it is

2^d The produced by cold, the predisposing cause

3^d Next the occasional or exciting cause &

4th The convulsive or morbid excitement of
the external system the proximate cause.

By the Proximate cause, I mean the
morbus Ipsa of Ipsa morbus. Ability is the
predisposing cause of all ^{general} diseases, whether
they be natural or acquired by natural
ability. ~~Ability~~ I mean a predisposition
brought into the world with us

+ But Subject to the term temperament
1 Because it places disease in the
mind 2^d By sanguineous the ~~pre~~ pre-
disposition is placed in the fluids or
blood and not the arteries or Bile
places predisposition in the bile
in place of the Liver 4th The Mel-
ancholic places predisposition
in disease

By predisposition I mean ~~a~~
a constitution with an accum-
ulated excretion

III The arterial is accompanied
with large lungs

This debility is always attended with more or less irritability.

The temperaments are divided by the ancients into four, as

- 1st Sanguineous
- 2^d Bilious
- 3^d ^{atic} Phlegmatic
- 4th Melancholic +

But I shall divide them into series of

- 1st Arterial ++
- 2^d Hepatic
- 3^d Nervous
- 4th Muscular
- 5th Pleuritic
- 6th Alimentary
- 7th Cutaneous
- 8th Bilious Cephalic
- 9th ~~Phlegmatic~~
Lymphatic

- 1st Arterial
- 2^d Hepatic
- 3^d Nervous
- 4th Muscular
- 5th Cephalic
- 6th Pleuritic
- 7th Alimentary
- 8th Lymphatic
- 9th Cutaneous

The Arterial and bilious are often blended together, and predispose to acute diseases especially in warm climates.

Where there is an excess of blood or bile in these two, The Arterial is divided into three the Pulmonary, ~~aortic~~ aortic, & Uterine.

The nervous into three as it affects

1000

10

nerve, muscle, or mind. —

This Predisposition disposes to Hysteria, Hypochondriasis, Mania, or Epilepsy. —

The Muscular is accompanied with little sensibility and a great irritability. Persons afflicted with it are unable to remain long in one place, and must either be riding or walking fast, and may be said only to repose in activity; they also possess little mind and often succumb under diseases because the nerves refuse to act as centinals to the system. —

The Phrenetic is accompanied ^{by} irritability of the brain and quick perception. — When the blood vessels ~~when the~~ & nerves are healthy there is no disease & vice versa.

Persons afflicted with this Predisposition may be said to be all mind. —

The Elementary may be divided into Gastroic, and Intestinal. They dispose to diseases of that canal and are connected with bilious. —

... mind.

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2^d The Phlegmatic the organs of generation are weak and ~~the~~ ment and the lymphatics languid. —

Persons of the same age, at the same exercise, on the same day, may be affected with different diseases according to their different Predispositions dispose to different affections. —

1st The different Predispositions are often blended together in different Proportions, for no one predisposition belongs exclusively to one Person. —

2^d These Predispositions succeed each other in different periods of life, and in different seasons. ~~of the year~~ Thus Arterial in the Spring, the bilious in the Summer, the phlegmatic in the winter. —

3^d They are seldom absent, if a person be born without them he will soon acquire one or more of them. —

4th They descend to families, but are changed mixed and lost by intermarriage. —

1. The following are the organs of generation
one each on each side of the
pelvic region.
The mass of the lower part of the
ovary, on the other side, may be
affected with different diseases as
the uterus. This different disease has
been the case in different affections.
The different diseases of the
uterus are together in different
positions, for one is in the
other being exactly the same.

2. The following are the organs of the
uterus on different periods of the
menstrual period. The
uterus is in the same position, the
bladder in the same, the
ovary in the same, the
uterus in the same.
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bladder in the same, the
ovary in the same, the
uterus in the same.

6thly Some nations lose their Predisposition,
by the admission of intermarriages with
other nations. The Predispositions sh^d
never be lost sight of in investigating
diseases & Prescribing for them, e.g.

more depletion by us in the arterial
than in any other Pre^d, and more
cathartics in bilious, abstraction from
study in the Phrenetic; few men
live in a perfect state of health.--

All live in a Pre^d to disease. Perfect
health, is as rare as perfect virtue,
& perfect reason. I have said that
Debility is the Predisposing cause of
all diseases for further information
on this head see vol. 1 Med. Eng.--

2 That Debility is succeeded by ^{increase} ~~excess~~
of excitability.--

3^d Debility whether local or general
invites to morbid action, this to
disease; for the electric fluid does not
withdraw ~~certainly~~. certainly attract

or more the electric fluid than debility
invites disease. —

4th Disease as I have before observed con-
sists in the confused and irregular ope-
rations of disordered and debilitated nature,
or in the convulsive or morbid action
of the cerebral system, but not in its
excessive action as in running Lunacy
Dyspepsia &c —

5th Diseases are always partial, I know
of no disease which invades every part
of the system, in fever it is confined
to the blood vessels, in mania to the
Brain, in Dysentery to the intestines;
&c the art of healing therefore consists
in equalizing the system not in
removing debility as Dr Brown has thought.
The remote and exciting causes
of disease are often blended together, &
act at the same time also the exciting
and predisposing; a cause may
be remote Predisposing, and occasion

to make the Chinese feel that they are
not the Chinese.

It is true that I have before observed con-
flict in the country and irregularity of
the Chinese. I have observed that in the
country of the Chinese, the Chinese are
not the Chinese, but that in the
country of the Chinese, the Chinese are
not the Chinese.

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flict in the country and irregularity of
the Chinese. I have observed that in the
country of the Chinese, the Chinese are
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not the Chinese.

al or exciting, at the same time all

diseases depend upon the predisposing debility, which is of two kinds direct and indirect according to Dr Brown, but I prefer the terms debility from action and abstraction; in elucidation of which we will fix the healthy point at 50 upon a scale.

Then if the system be raised 10 degrees or to 60. This is debility from action but if stimulus be abstracted and the system descend to 40 this is debility from abstraction —

When stimuli are long continued debility may be induced, and disease, this may be termed ~~disease~~ disorder; debility is an unit, depression is also an unit, absence of
necessary for the accumulation of

of or something, or the same thing all
this one thing is the same
nothing. Nothing is of two
kind. First and second according
to the power, but the same
nothing from action and reaction.
in combination of which we will find the
firstly point out to what a level.

then if the system becomes a system or
to do this, nothing from action but
if the system is affected once the
system becomes to do this is nothing
from action —

When the system is a long continuous
nothing every be in the system, and this
the every the system is the same
nothing is an unit. When the system is also
an unit, when of
necessary for the continuation of

of morbid excitement. There are frequently
days, weeks, and even years, between
debility and morbid action produ-
ced by it; disease always attacks the
weakest part of the system ~~has~~ ^{is} ~~toler-~~
trahit —

There is but one fever, but one dis-
ease, through out the world

that is morbid excitement or an
irregular action of the external system.
You see, I differ from Brown in
my Principles. Brown makes debil-
ity a disease, but I make it one
of the causes of disease. The follow-
ing may be considered as a chain, in
which are contained all the grades I rank.
1st from debility to death $\frac{1}{4}$ debility
from Predisposition.

2^d Preternatural excitement —

3^d Depression

of married excitement. There are frequently
days, weeks, or even years, between
liberty and married action known
as the it, whose always starts the
wedded part of the future love
to wit —

There is but one fever, but one
ever, through out the world
that is married excitement or an
irregular action of the natural system.
You see, I differ from Brown in
my opinion. Brown makes liberty
of a disease, but I make it one
of the causes of this fever.
It may be considered as a fever, in
that one contracted all the life long.
From liberty to liberty the liberty
from both parties.
of married excitement

- 4th Action of an irritant
5th Oppression
6th Disease or morbid excitement
7th Prostration of the System below
the healthy Point
8th Disorder &
9th Death we are born with an innate
Predisposition to disease or morbid excitement.
The different forms of disease are six:-
1st Convulsion This is the Proximate
Cause of Fever and is chiefly confined
to the blood vessels -
2^d Spasm This chiefly affects the muscles
and is divided into Acute & Chronic
the former is constant the latter alternates
3^d Prematural Heat either external or
internal as in the Skin Stomach &c
4th Itching This appears in different
Parts of the Skin Arms &c &c

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3th Aura. or Shock as aura arthritica or
gout and one called by the French
Tic olorum but more properly tic
olorificus or hemorrhagicus —

6th Suppressed excitement which in-
cludes apoplexy and Prostration, this
occurs chiefly in the lungs, and brain,
and the Blood vessels &c —

The effects of Disease are, first —

- 1st Inflammation. or effusion of red blood
in the serous vessels & serous loci, after this
has continued for some time, the
circulation becomes languid, congestion
tumor, &c are produced —
- 2nd an effusion of serum or coagulating lymph,
hence pus seated in the trachea, lungs,
uterus, &c; and hemorrhage and black vomit &c
- 3rd secretion and excretion and excretion
as mucus, serum, &c —
- 4th Chirius indurated tumors, &c

- 3th Unusual sensibility and irritability
- 6th Eruptions
- 7th Bone Sarcoidosis
- 8th Cancer -
- 9th certain changes of the blood and all the fluids in the body, rendering them acid and altering their proportions -
- 10 Gangrene and death

Seats of Diseases

These are sometimes with difficulty ascertained;

- 1st Because diseases are sometimes dumb.
- 2nd From the effects of sympathy we find it impossible to judge precisely of the disease. How many diseases of the brain are produced by affections of the stomach and vice versa? How often do the signs appear one in the other. A woman was seized with a violent puking or discharge

of bile from the ~~stomach~~ intestines,
which would be supposed to be brought
on by Schismus of the liver, when the
Uterus alone was diseased and the
liver was in a healthy state and
sympathy alone acted. —

3^d in all general diseases the seats change
with the weather

4th Dissection will not shew us the seat
of disease

1. Because they often shew us none,
2. They deceive us by presenting effects for causes.

3. They often find marks remote from
the diseased part; for instance in one
kidney without disease in the other.
I do not speak

— against dissec-
tions ~~no~~ but recommend ^{them} in certain
parts of the body. Is there no sign of the
existence of disease but pain? Pain is
by no means the only symptom of disease;
in both arms there exists a more
certain sign of disease than in any
other part of the body. I mean the
pulse, when it fails to give us any

Monday the 2^d January -

information of disease ~~wh~~ is seldom the case, the tongue, excrements, countenance, the eyes &c may give some insight. I have called the pulse the barometer or dial-plate, & by an attention to it I have discovered disease and prevented death. — when the patient did not complain, a uniform knowledge of the seats of disease pain is not only useful but hurtful to us. The whole arterial system is as much a unit as any viscus in the body —

Signs of Disease

a few observations are necessary

- 1st Relation, Sympathy, & Association, different in the diseased and healthy state
- 2^d Signs of the same disease differ in different people
- 3^d They differ in force
- 4th They differ in different climates

- 1 + Countenance
- 2 position
- 3 looks
- 4 Faculties of the mind
- 5 Perfection as to quantity
quality & extent
- Range

5th They are in many instances a part of the same disease

6th They differ in the same disease

7th They differ as it relates to its forming state

8th They relate to its height crisis and tendency to health

9th They differ in different days

The signs of different diseases are taken +

1st from perspiration urine & feces

2nd the tongue

3rd Respiration

4th Conversation

5th The position of the body when in bed

6th State of the muscles

7th Appetite

8th Mental faculties

9th State of the body as to heat & cold

10th The existence of pain also the nature of it

Small in gland
heavy in the substance of the
Brain Turgent in the men-
branes of the brain having in
the skin

Remarks on Pain

- 1st There are diseases without pain—
 - 2^d The pain is not always in proportion to the disease—
 - 3— Often felt in parts remote from the disease which excites it, as headache from bile in the stomach
 - 4th altho an unit it imparts different sensations, according to its grade being acute in the membranes twisting, in the bowels gripping, in the tooth aches &c
- Related to pain is anxiety, nausea is another sign of disease different from pain and anxiety
- Pain is sometimes so acute, as to destroy life. I must again repeat that of all the signs the pulse is the most valuable
- Diseases of the head yield most readily to purging, those of the lungs to B.L., & those of the extremities to blisters; is there no sign of disease in the viscera but pain? the pulse, the tongue, the countenance, the eyes, the perspiration, respiration, urine, feces, &c are evincement of the same. I regard

Remarks on Rain

There are three different kinds of rain -
1. The rain is not always in connection with the
wind.

2. The rain is not always in connection with the
wind, as it is, as I have seen from this in
the last one.

3. The rain is not always in connection with the
wind, as it is, as I have seen from this in
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the last one.

12. The rain is not always in connection with the
wind, as it is, as I have seen from this in
the last one.

The pulse as the most valuable, but not any
one of these direct you as to the cause of dis-
ease, or in your prescription, for them. —
My doctrine rejects none of these, but in it,
the greatest homage is paid to the pulse.
Pulse

The pulse may be called a barometer or
compass to the vital state of a watch or
clock it informs you of all that is going
on within the body —

In order to acquire an accurate knowledge
of the pulse in all its diversified states,
it is necessary that we should be ac-
quainted with it in its healthy state,
and also in the different stages of life;
in the healthy state of the pulse in
an adult it is full, round, vigorous, soft,
free from resistance to the fingers, and
at equal intervals; this state differs under
different circumstances, as

1st It varies according to the age of the
person. At the commencement of life
or soon after birth the pulse ranges
between 130 & 140, towards the end of the
first year 124, at two years of age from 108
to 120, at three years from 90 to 108,
at 4 5 & 6 from 80 to 108, and at 7 years
of age it falls from 80 to 72; in an adult
it is from 66 to 88, generally 66. in
old age it is slow and intermitting.

The present is a most interesting
one of the most recent to the
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This is so uniformly the case that regularity of the pulse in old age is an indication of disease, at the age of sixty the pulse beats sixty. In an old person of this city it beats only 36, in some, according to Dr Heberden it descends as low as 28 in a minute.

2 Sex influences the pulse in its frequency, that in ~~the~~ females more frequent than males.

3 Different states of civilization or society influence the pulse, it is slower in savages than in persons brought up in a civilized state. Savages want the numerous stimuli of thoughts, mental exertion, and conversation which civilized people enjoy, hence the pulse is less frequent in country people than citizens. I have felt the pulse of ten Indians, and found it below 60 in eight of them, the other two reached to 60 but one of them had been previously sitting by the fire, & ~~the other was the~~ other was the son of a Frenchman & an Indian mother, all those who spend their time in idleness have slower pulses than those who are busily employed -

4 The size of people affect the arterial system, its pulsary motion being quicker in short statured than ceteris paribus than long or tall persons.

- 5th The Climate & the different seasons of the year affect the pulse being quicker in warm than in cold climates. In Greenland it scarcely exceeds 40, In the West Indies it is quicker in new comers than in the old inhabitants. In new imported slaves than in those who have lived some time among us. —
- 6th Different times of the day influence the pulse, It is lowest in the morning at 7 o'clock, highest at noon, and then gradually descends until evening, at bed time it is slowest on account of the exhaustion of excitability.
- 7th Different in the sleeping and waking states; quicker in the latter than in the former by 8 or 10 strokes —
- 8th Different positions of the body influence the pulse, it is slowest when lying on the back, quicker when on the side, and still quicker when sitting up, & quickest when in an erect position —
- 9th Tasting food or drinks especially such as are stimulating influence the pulse by quickening it —
- 10th Different positions of the arm, when the arm is exposed to cold for some ^{influence it,}

time it becomes slower, & also when the arm is pressed under the body for some time, and when the muscles are in action, hence the propriety of warming the arm before feeling the pulse also relaxing the muscles -

11th Exercise of the understanding & passion of the mind ^{influence it} that of a relative lowering and vice versa. Anger quickens it to 140, conversation also quickens it, hence the propriety of feeling the patient's pulse before he begins to describe his disease

12th Bodily exercise. If the natural state of the pulse be 64 when sitting, standing will raise it to 68, walking at the rate of 2 miles an hour will raise it to 74, at the rate of 4 miles 88, and running from 140 to 150 in a minute -

13 Pregnancy quickens it, it is also quicker during menstruation; it is of consequence to know this in the chronic state; all ^{pregnant} women have their pulse preternaturally quick or slow

14 Certain medicines quicken the pulse such are emetics, Cathartics, Opium, Bark, Blisters, hot and cold bath -

11th. The first of the series of papers
is the one which contains the
first of the series of papers
which are now being published
by the Government of the
United States. It is a
very interesting and
valuable work, and
it is one which
every one who
is interested in
the history of the
United States
should read.

15th coughing quickens it, hence the impropriety of feeling the pulse immediately after a paroxysm of coughing in children on any complaint. —

16th Fear influences it, hence in visiting a patient we should wait, that he may get over his agitation produced by our presence. I have seen the pulse fall after prescribing &c. —

17th Intensity of thought displacing respiration lessens the pulse.

There are some variations from these general rules of the pulse; e.g. there is a gentleman in this city whose pulse is 120. ⁱⁿ whilst in good health, and a lady whose pulse does not exceed 80 in good health, and amounts only to 60 in high fever; and in others it is preternaturally quick. I heard of a gentle man whose pulse in a healthy state beat 100 in a minute, a fever afterwards restored it to its natural standard that is the common standard. There must have been too much excitation in the system and this disease or morbid state was removed by the action of Fever.

before I enter on the morbid state of
the pulse I deem it necessary to deliver
a few Physiological Propositions: as

1st The heart and arteries are connected
and invested with muscular fibers
possessing great irritability or a sus-
ceptibility of being acted upon by
the different stimuli; hence if one
part be affected the whole will sym-
pathize. They may be compared
to the sensitive plants or to the
cells of the Jewish high priests where
when one was stricken in vibration
all gave a general feel in unison.

2nd ~~The~~ The heart and muscular fibers
possess irritability —

3 The motion excited in one part
of the arterial system is communi-
cated to others. This is illustrated by
the case Hicks, who died in this
city with enlarged omentum wh.
pressed upon the omentum aorta
and affected the whole arterial
system. This will lead to the
explanation of many other

appearances; for in most diseases we may expect to find the same kind of action in the artery as in the diseased part -

1st. The pulse tense in acute pneumonia. The same occurs in the pleura or membrane of the lungs in the whole arterial system are the vessels of the lungs engorged; in pneumonia & other, the same occurs in the whole are there intermissions in the pulsation of the heart; the same takes place in the whole arterial system. In the stomach or upper bowels inflamed the ~~pulse~~ pulse is small, because the vessels of these parts are small. The pulse is ~~small~~ more tense in inflammation of the colon only, because the arteries of these parts are larger. If the pulse is not small in inflammation of the joints and of rheumatism it is ~~small~~ because the larger arteries are collected in to sympathize by contagion; there are diseases in which the pulse do not sympathize, but there are few & may arise from the following circumstances.

- 1st from a want of vitality.
- 2nd from suppressed excitement
- 3rd from the disordered state of the artery at the wrist

- 1st from a large portion of beat ~~at the~~
pressing upon the artery
- 2nd From an accidental pressure of the
muscles of the arm by the posture of the
body
- 3rd from cold from want of irritable-
ity in the contiguous parts.
- 4th from a want of sympathy in the heart
preventing it from equalising
the action of the different parts —
- 5th from an unequal excitement
in the blood vessels as in the

Cough this want of harmony accounts
for the facts mentioned by John
Hunter, viz. size blood. with a natural
pulse. There may be great disease in one
part with but little action in another.
Let not the number of these exceptions
preclude the feeling of the pulse, for
they do not occur in more than one
case in twenty. we sometimes see
absence of pain in malignant fevers
when the tongue is foul &c

1st. There is a large number of letters at the
2nd. There is a large number of letters at the
3rd. There is a large number of letters at the
4th. There is a large number of letters at the
5th. There is a large number of letters at the
6th. There is a large number of letters at the
7th. There is a large number of letters at the
8th. There is a large number of letters at the
9th. There is a large number of letters at the
10th. There is a large number of letters at the

11th. There is a large number of letters at the
12th. There is a large number of letters at the
13th. There is a large number of letters at the
14th. There is a large number of letters at the
15th. There is a large number of letters at the
16th. There is a large number of letters at the
17th. There is a large number of letters at the
18th. There is a large number of letters at the
19th. There is a large number of letters at the
20th. There is a large number of letters at the

and vice versa in diseases of life, consequence
; thus, I have mentioned the different states
of the pulse as they occur naturally in
the different stages of perfect life. —

But as Physicians it becomes us to go
further, and to acquire a knowledge of
this important part of the human frame
; as it varies in consequence of the numerous
incidents and diseases to which it is
subjected

The Morbid States of the Pulse

There are known

1st By their frequency and quickness; these
are not necessarily connected for the
pulse may be very quick and yet
not frequent as in the yellow fever;
by frequency, is meant the number of
beats in a given time (to it in a
minute), & by quickness, the time in
which each stroke is performed. The
pulse varies from health in quickness
and fulness as in the yellow fever and
other acute diseases; here it varies from
64 to 160 & even 200 and falls in some
diseases to 40. 30. 20 and in one or two
cases to 9, in apoplexy it sometimes to 7.
The quickness is probably caused by

The irritable state of the blood vessels; they contract more quickly by the stimulus of the blood (the arteries especially), this irritability I conceive to be induced by the stimulus of miasmata; hence it occurs in intermittents, yellow fever &c this circumstance in some cases gives rise to the intermitting pulse. This is when there is a cessation of pulsation for a certain time after every one two or three strokes and frequently occurs in malignant fevers. The slowings may depend on three causes

- 1st Pressure as in a popliteal & Palpy the pulsations being equal to each other but intermissions occur
 - 2^d Spasm of the heart
 - 3^d A defect ~~a defect~~ of irritability in the arteries ~~But~~
 - 4th By their force and irregularity
- This is of more consequence than their variation in frequency & weakness and fullness also by imparting a sensation of a shivering chill

We now proceed to consider the different States of the pulse, as they occur in fever; & the first I shall treat of is

The Depressed Pulse —

This State of the pulse, is occasioned by Stimuli acting so violently as to depress the System below the point of reaction, or by pressure on some vessel: it often descends as low as 40, 30, 20, and some times ~~as low as~~ so depressed as to be imperceptible, it is raised by vs. It is sometimes preternaturally frequent or slow attended with intermission, and some times natural: it occurs in Plague, yellow fever, and malignant Small Pox, it is either partial or general, occurring in the extremities in the former, in the latter, occasioned by Stimuli depressing the strength below the healthy state; it resembles the weak or Typhus Pulse, the following direction will serve to distinguish them

1st The Depressed Pulse is known by its occurring in the beginning or forming state of fever or in the paroxysms of such diseases as are Periodical

2^d By imparting a sense of tension to the fingers when long and attentively felt

3^d By occurring in morbid affections of the brain, heart, stomach, and bowels more frequently than in diseases of other parts of the body

~~4th By its being frequently attended with slowness or intermissions~~

4th By its being raised by us, and varies taking of suppressed excitement

5th By its being frequently attended with slowness and intermissions; this Pulse may be compared to a tree bent with the wind and rising to its former state when the winds are blown over: while the Typhus resembles a tree shattered with the lightning which can only be raised by the plastic hand of art—

2^d The Catgut, Pulse Pulley, or beehive pulse. This is small, quick, tense, and distinctly imparts a sensation to the fingers similar to that produced by feeling a piece of tense gut gut. When I have named it it occurs in malignant fever

3^d The Synochus fortis. The reverse
of the two former; a full, round, fre-
quent, vigorous, & quick Pulse, without
hardness; which occurs in the highest
grade of bilious fever: exercise produ-
ces a pulse some what similar to this

4th The Synocha or common inflama-
tory pulse, being full, frequent, quick,
and tense, but not round. ~~It is~~ It is
known by the heat and thirst
and occurs in common inflammatory
Fever; this Pulse exists sometimes in
the Plague, yellow Fever, and a small
Pox, but more frequently in Pneumonia-
lic affections, Rheumatism, and erythema-

5th The Synochoides is a quick, frequent, &
and moderately tense Pulse, but small;
and a diminution of Synocha consis-
ting in the fingers a sensation provided
to be small quick, and occurs in ery-
sipelatous Rheumatism, gout, Phthisis, Pulmo-
nary, and in the second stage of other
fevers.

6th The Synochoides. This is alternately soft
and hard, imparting to the fingers
the sensation of a flattered quill
and is a compound of the Synochus
and Synocha. It occurs in the

Passage of Fever from the inflammatory
to the Low State, or from an acute to
a chronic disease, and feels like a quilt
which has been taken upon

7th The Typhroid, a frequent and is left
tense ~~rather~~ than full pulse. ~~This is~~
This is compounded of Typhoid &
The low state or chronic state of fever
and occurs in Typhoid, & the Puerperal
fever, - also in Peritonitis; the pulse pre-
ceding Typhoid are above par those
succeeding Typhoid are below par -

8. The Typhoid Pulse is a weak, small,
frequent, but not full or tense. ~~Pulse~~
This occurs in the low state chronic
state of fever, also in the close of in-
flammatory diseases when depleting rem-
edies have not been used in the first
stage; the blood vessels in this appear
to be deprived of part of their irritabil-
ity, it is here that H. is forbidden
and Stimuli are to be resorted to. -

9 The Ectetic pulse, the forms of
this pulse are various, being

being occasioned by synochoid, Typhoid, Typhus, it occurs in Phthisis Pulmonalis, in lues venerea, and Scrophulae.

10th The Hobbling Pulse is unequal, fluctuating, tense, quick, and very frequent, and it may be divided into two, 1st 1.2 or 3 quick strokes preceeding a slow one, and a second 1.2 or three slow strokes succeeding a quick one -

11th The Microtic or capresans Pulse the former of these being stronger

12th The serrated Pulse imparts to the fingers of a the sensation of a saw

13th The vermicular Pulse. Small, frequent, and resembling the motions of a worm

14th The Creeping Pulse. weak, small, and occurs in the close of life it has been called a dying Pulse -

15th The apparently natural Pulse occurs in the worst state of malignant Fever, great danger is to be apprehended from this Pulse, and ^{it} is difficult to be distinguished from the healthy one. Scarcely any one of them alone present, they are therefore combined

- 1st In double proportion as full and weak full,
and frequent depressed and weak, slow and
intermitting &c
- 2^d They are combined in a threefold relation,
as full, strong, and frequent; small, weak,
and slow at the same time
- 3^d By a fourfold ratio, as full, strong, quick,
and frequent, at the same time
- 4th A full, bounding, slow, & moderately
tense pulse, which occurs in dropsy, palsy,
&c it is especially slow in the affected side
as in hemiplegia. I examined the pulse
in a paralytic patient whose artery on
the affected side beat only 40, in whom
on the other side it beat from 60 to 80
- 17 A Weak, slow pulse without irregu-
larity: This occurs in debility without fever,
and is distinguished from the weak
low pulse in malignant fever by
its occurring in the last stage
- 18 The Anurismic pulse, full, tense,
and forcing. There is some times an
absence of pulse for two or three days,

The first of these is the fact that the
the first of these is the fact that the
the first of these is the fact that the

the first of these is the fact that the
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the first of these is the fact that the

I have heard of the absence of it for ~~two or~~
~~three days~~ 7 days; this pulse occurs in
Anurism whence its name. A total absence
of the pulse occurs in violent affections of
the stomach & bowels, it ~~lasts~~ it lasts for
hours and days; one lady I have known
to be without pulse for 38 hours in con-
sequence of eating oysters, this lady has
since recovered and been quite well for
several years.

In order to inform our patients of the
state of their pulse which they are some
times extremely anxious to know you
should compare it to a scale of 10 degrees,
5 below and 5 above the healthy point.
The pulse is very much influenced by
the strength of the body: In a Pigeon
it is 100, In a dog 80, and in a ram it
has been found to be at but 65; and
in an ox from 36 to 38 in a minute -
I have now delivered all the pulses we
have occurred in my practice Dr Dalmay
a french Physician has discovered another
which he calls the gaseous pulse -

- Gaseous Pulse

Soft, full, and ramant, but sinking under
the finger - I shall next give some on

[Faint, illegible handwriting at the top of the page, possibly a header or title.]

[The main body of the page contains several paragraphs of extremely faint, illegible handwriting. The text is written in a cursive style, typical of the 18th or 19th century. Due to the fading, the specific words and sentences cannot be transcribed.]

rections for acquiring a knowledge of
the state of the pulse

1st Never feel the pulse of a patient
the moment you enter the room, your
presence excites some passion in hope,
fear, or some emotion in the mind,
which has an influence on the pulse

2^d If the weather be cold warm your hands
and feet first. But beware of entering
into conversation before you feel
the pulse as the influence of conversation
is very great on the pulse -

3^d Place all four of your fingers on
the artery. This ~~en~~ enlarges the sur-
face of touch and gives you a better
opportunity of judging than one
finger would do

4th If you feel the patient's right arm
use your left hand and vice versa

5th Feel the veins of both arms, as there is
in many cases a difference in the two; from
several circumstances, as the exposure of
one arm to cold air, pressure on the
arteries &c. I have corrected my judgment
frequently in this manner

nothing but a copy of a book of
the life of the king.

It is a very good book, and
the most interesting I have
ever seen. It is a very
good book, and the most
interesting I have ever
seen. It is a very good
book, and the most
interesting I have ever
seen.

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good book, and the most
interesting I have ever
seen. It is a very good
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interesting I have ever
seen.

from one I had prescribed & an exam-
ing the other I retracted my elimination;
never remove your hands until you
have felt 20 strokes at least: I have obser-
ved an intermission after the 14th stroke
The Chinese Physicians feel till 49 and
hence perhaps their accuracy in the pulse
If the case be critical shut your eyes
and order silence and to use an ex-
pression of Dr & Darwins concentrate
your mental power in your fingers
ends.

The Influence of Pain & counteracts
Retracts from the accuracy of feeling
the pulse: if the radial artery from
any cause be not easily gotten at or felt
use the temporal which is the next
best; & here Gentlemen excuse my men-
tioning a caution in the application
of blisters, never to apply them so as
to prevent your feeling the pulse —

If you do feel it afterwards, you will
give him so much pain as to make
an alteration in the pulse the tem-
poral artery must be felt, this artery
you must also feel in diseases of the
brain

Thrs Gentlemen, I have related the
knowledge I have been able to acquire
of the pulse during my readings & prac-
tice. They are the experience of my
life. They state when bleeding is ne-
cessary and indicate the quantity;
always feel the pulse before you
prescribe any of the following remedies
emetics, cathartics, U. S. hot and cold bath,
Pechumum, and before the use of
stimulating medicines, as the bark,
wine, &c. Also before stimulating ^{to} sli-
mmer, and drinks, as they change the pulse
very much, the frequency of the pulse
is of little consequence compared
to the force and other characteristics
of it. has been much relied on in Europe
especially in Britain. They ^{by the Physicians} are for
acquiring a knowledge of it & moment
~~for~~ weather & winter & summer
&c hence we read in European authors
the descriptions of diseases in which
~~the~~ the pulse was so and so frequent,
with out describing its other more
important characteristics as force
quickness & slowness, &c

But this is ridiculous tho a Spanish
Physician by the name of Solana -
has made many observations on the
pulse from some of which he asserts that
140 is the greater number of strokes wh.
the arteries can beat consistent with
the recovery of the patient. but 200 in
the Myocardial is common but
whether they recover I know ~~not~~
The observations of Cullen are opposed
to ~~Shapbourn~~ ^{Shapbourn}. Furthermore he says
the Spanish Gentlemen's observations
are useless. O that we are told had
inscribed over the door when he taught
his pupils. Let no one enter here
who does not know Geometry
In like manner were I to dedicate
a temple I would inscribe over the
door of every apartment
Let no one ^{depart} ~~enter~~ hence who does
not know the pulse

The Remote causes of Disease -

We come now to treat of the different causes which lay the foundation of disease. It has been aptly said, that as soon as a child comes into the world, it inhales the linking principle of death. The remote causes predisposing children are the following as

- 1st The Ignorance of the midwife as it respects delivery
- 2^d Washing the child in alcohol & soap &
- 3^d The use of spirits internally and solid diet
- 4th Sucking bad milk
- 5th Improper clothing
- 6th The manner of education, confinement in close schools &c
- 7th The amusement of children subjecting them to falls, bruises, burns &c —

The atmosphere produces disease by its humble & insensible qualities;

The House of Commons of Great Britain

The House of Commons of Great Britain
do hereby certify that the following
is a true and correct copy of the
Bill of the House of Commons
in the year of our Lord one thousand eight hundred and thirty

one and one of the session of the House of Commons
in the year of our Lord one thousand eight hundred and thirty
one and one of the session of the House of Commons

in the year of our Lord one thousand eight hundred and thirty
one and one of the session of the House of Commons

in the year of our Lord one thousand eight hundred and thirty
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one and one of the session of the House of Commons

The former are heat, cold, moisture, dryness, density, and rarity, those of the latter or of insensible qualities, are Menstrua or humors effluvia &c; from these originate all febrile diseases or complaints. —

Heat, this is an universal Stimulant, when moderate (as at 75 degrees) it is beneficial to health, but when above this it produces debility from action, when in excess its effects are shown

1st On the vascular system producing

fever

2^d When combined with the rays of the sun it affects the brain producing what has been called Insolation, also ~~Heat~~ Sleep, Stupidity, and even death.

3^d On the nervous system producing weakness, languor, vertigo, nausea, involuntary motion of the muscles, tetanus &c —

4th Producing pimples, and a brown colour. — When moderate, it produces moisture, perspiration, & sweat; but when in excess

5th Produces preternatural dryness &c In the stomach, increases the appetite

the far more we have, better we are
the more we have, the more we are
the more we have, the more we are
the more we have, the more we are
the more we have, the more we are
the more we have, the more we are

That this is an important question
which has been discussed for many years
and which has been discussed for many years
and which has been discussed for many years
and which has been discussed for many years
and which has been discussed for many years

It is a question which has been discussed
for many years and which has been discussed
for many years and which has been discussed
for many years and which has been discussed
for many years and which has been discussed
for many years and which has been discussed

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for many years and which has been discussed
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- 7th It increases the venereal appetite -
8th It produces a tendency to putrefaction
in the blood
9th It gives the humours in the body
a centrifugal determination, as in tubercles,
glandular swelling &c. &c. -
10th It increases the excretion and secretion
of bile, which corrects the tendency to
putrefaction mentioned
11th It prevents the production of the men^{ter}
12th It affects the eye sight producing
lutta serena of thalmsia &
13th It weakens some of the operations of
the mind, but strengthens the imagi-
nation
14th It lessens the density of some of the
solids
15th It is less friendly to young than
to old people, hence the practice of
the ancients of changing a ~~warm~~ cold
for a warm climate when they got
old, by this means they prolonged
their lives 10 or 12 years. —

The Relative effects of Heat.
When the System has been exposed
to cold it is then acted upon more

[The text on this page is extremely faint and illegible, appearing as light brown smudges and ghosting of handwriting.]

possibly by heat; warm winters are
followed by unhealthy Springs, hence
the propriety of the old saying that
a green Christmas makes a fat church-
yard. Weather becoming temperate
after being very warm produces this
effect by checking perspiration. —
Autumns succeeding very warm sum-
mers are often attended with bilious
fevers; the autumn of 43 was preceded
by a very warm summer —

No climate is necessarily unhealthy,
but they are made so, by the im-
providence of the inhabitants; for it is
estimated that dress, diet, ~~drinks~~ ~~the~~
the passions of the mind &c have great
influence over the body: uniform
dry weather ~~is~~ seldom in itself dis-
easing; only when succeeded or preceded
by moisture that diseases are gen-
erated ~~to~~ in one season and pro-
duce the next. Upon the whole,
I conclude, that wet seasons are gen-
erally healthy, and that most dis-
eases ~~are~~ are produced by ~~the~~ a trans-
ition from heat to cold and
vice versa —

Of Cold. This has been erroneously supposed as a Stimulant upon the System, its effects are negative, it acts only by the abstraction of heat. It is a Relative Temper

- 1st from the general Debility it produces
- 2^d from the Slowness of the Pulse and weakness
- 3^d from its effects being similar to other Debilitating causes, such as V. Catharsis, &c. Is the Pulse slower in Pleurisy yellow fever &c; so it is from depression is it raised by V.; so it is by the abstraction of the excess of Stimuli. Cold acts by inducing direct debility or debility from abstraction. Heat, by inducing the indirect debility or debility from action: upon the application of cold, part of the heat is abstracted hence the apparent tonic power of cold. When the body has been debilitated by cold heat—

The effects of Cold are
1st upon the cerebral system, by inducing debility or increasing excitability. Disposing the System ~~to~~ to all kinds of Fever

2^d Upon the nerves producing chilliness of
Sensation

3^d Upon the muscular ^{fibres} producing languor,
Debility &c

4th It invigorates the appetite; hence
in holland the habit of having warm
stables, in order that their horses may
eat the hay

5th It weakens the venereal appetite

6th It increases considerably the discharge

7th ^{of urine} It is unparalytic to size

8th It operates with other causes in producing

^{Senility}
9th It exposes old sores to bleed afresh

10th It is unparalytic to vision

11th It in a certain degree produces pal-
lors of the skin in a greater redness

12th It acts powerfully in sleep, hence
most diseases attack us at that time

13th It acts more powerfully upon
old people than young, ~~hence~~

hence we hear of mothers being found
dead with the cold with their chil-
dren by their sides alive, this is proved
by the case of a woman, who was found

dead and her child alive and at her breast. Whether uniformly cold is healthy; in Canada diseases of all kinds are looked up, they are only let out when heat succeeds or precedes cold. Heat succeeding cold produces disease, the Spring of Russia produces fevers of a peculiar kind, & our falls also. Thus the diseases of cold climates are generated in one season, and produced in another. & vice versa. Heat does not produce diseases after the long application of cold because the vessels become torpid and are not able to react; cold produces diseases in northern climates when warm dresses, houses, &c are not used. The sudden transition from heat to cold does not necessarily produce disease or vice versa, more care and attention in accommodating ourselves to the weather by dress, diet, drink &c, would, prevent diseases. Middle latitudes are not necessarily unhealthy tho they require more care and attention to bed cloths and dress -

the change, change their dress three or four times a day in order to accommodate themselves to the weather; cold feet in cases catarrh. Nine tenths of the diseases of the system are received into the system by avenues of the feet & mouth. Cold acts more powerfully on the system in the sleeping state than in the waking; hence nine tenths of the diseases are taken in the ~~the~~ night. Cold acts more powerfully when the stomach is empty, more powerfully on drunkards than on sober people, because the first are generally very much debilitated when not under the effects of stimuli.

Cold as I have said is the preëminent cause of all diseases, more suffer from it than from any other cause in nature, not only of man but of all other animals; diseases are also more numerous from this than from any other cause, in short, there is not a greater enemy to the health and life of man than cold

The strength of the mind is not
to be measured by the size of the
brain, but by the power of the
will. The mind is a muscle, and
like all muscles, it grows strong
by use. The more we use it,
the more it grows. The mind
is a muscle, and like all muscles,
it grows strong by use. The more
we use it, the more it grows.
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more it grows. The mind is a
muscle, and like all muscles, it
grows strong by use. The more
we use it, the more it grows.

The Spring and autumn between the degrees of 35 and 40 are the most healthy: heat and cold act differently in different months the following is a table of mortality for one year

Jan	Total	Boys	Girls	Men	Women		
142	58	11	11	11	11	11	11
Feb	111	46	11	11	11	11	11
Mar	112	11	11	11	11	11	11
Apr	108	11	11	11	11	11	11
May	107	31	29	21	11	11	11
June	77	21	27	8	11	5	9
July	85	29	20	18	8	3	10
Aug	138	36	35	12	34	2	9
Sep	110	43	35	18	13	5	15
Oct	216	42	34	101	18	7	9
Nov	194	38	35	30	15	7	9
Dec							

The effects of winds in producing diseases. Winds are hot and cold, dry and moist. They are moist from the east, and dry from the west, in this country.

~~within this country~~ ~~weather~~ there for, certain changes affect the body when accompanied with winds.

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page. The text is mirrored and difficult to decipher.]

They produce certain changes of the mind as the

They act more powerfully upon ~~in-~~
~~vested~~, than upon healthy persons;
not only winds but the absence of them
produce disease

Effects of the rarity and density
of the atmosphere. Air highly rarefied
produces disease, great muscular weakness,
difficulty of breathing, quickness of the
pulse, profuse sweat, sickness of the
stomach, sleepiness, and an aversion
to ardent spirits, and great pain ac-
cording to M. J.

These effects are attributed to a more
rapid combination of blood or reha-
lenol and a deficiency of Oxygen.

Baron Humboldt who ascended the
highest mountains, said it produced
hemorrhage from his nose, eyes, mouth,
and &c. By his eudiometer he found
the oxygen decreased to 48 parts in 100:
and too dense, is very hurtful to asthmatic
and consumptive patients

1st Marsh Effluvia or as ^{Milner & Smith} Dr. Smith, has them Coins Miasmata or exhalations ~~one necessary for the production of them~~ for the production these two things are necessary, viz. heat, and moisture. The thermometer should stand at 60 when the ground is covered with water or no exhalations can take place, but when the ground is neither dry nor overgrown these exhalations are produced. The summer should be considerably moist to produce exhalations, or miasmata; heavy rains, have sometimes produced miasmata by washing off the coherent pellicle or gummy crust which is sometimes found in stagnant water, and which prevents the air from acting on it, without which the miasmata can not be produced: these exhalations are partly from vegetable and partly from animal productions but more commonly from the former; the following vegetable matter produces Marsh effluvia

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page. The text is mirrored and difficult to decipher.]

Wool, Rotten clothes, Parsnip, Peppermint,
Anise, Anisee, cucumber seed, copper,
cotton compressed in the hold of a ship,
hemp, flax, straw, old books in a
paper - among the timber of old
houses; log-houses the 2^d year after
they are built in consequence of
the putrefaction of the bark, green
wood compressed in cellers, green timber
of a ship, also an stagnation in the
hold and in cellers. Stagnated water
when agitated produces miasmata.
Fever is not so often produced by
animal as by vegetable effluvia, there
are however a few which are produced
by the former — .. — .. — ..

- 2^d Human Effluvia or Miasmata of
^{Miller of N. York}
~~Exhausted~~ These are produced by want
of cleaning of the person, Dead bodies.
1st raw Fides & Miasmata act first
upon the Stomach
2^d upon the Intestines, producing colic
morbus, Dysentery, &c
3^d upon the liver, increasing the
secretion of bile, and imparting
to it viridity and acrimony
- 26

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

4th Upon the blood vessels, producing yellow fever, Intermittent, remittent, jail, & Typhus, or low chronic fever, and a pleurule, or inward fever, Hemorages &c

5th Upon the brain, kidneys, and spleen, and more particularly on the latter producing inflammation or induration called hyaline cake

6th Upon the nervous system

7th Upon the muscles, producing convulsions &c

8th Upon the lymphatics, producing glandular swelling

9th Upon the eyes, producing ophthalmia

10th Upon the skin, producing eruptions &c

The human epidemia are of two kinds arising either from secreted or excreted matter; miasmata may exist in the body

2 or 30 days without producing disease: sometimes even six months.

Epidemia are more noxious in the morning and evening than in the middle of the day -

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

They are always a source of disease
and are influenced by the following
circumstances; uncleanness, confine-
ment in large crowds, leanness of
vegetable diet, scanty and putrid animal
diet, mixing of strangers together, great
prostration and grief of mind all
these predispose to disease

Cold weather is ^{not} favorable to the spread-
ing of contagious diseases, in consequence
of the houses being shut to keep out the
cold; wollen cloths and other retain
and spread diseases, in contagious
diseases also, wood walls is whitewashed and
will not retain the effluvia of Ty-
phus Fever. Epluvia act more powerful-
ly when debilitated. Pregnant women
often escape the yellow fever in con-
sequence of the distension from Preg-
nancy; all persons exposed with
burning sores escape it. Persons are
incapable of infecting themselves with
miasmata. Persons highly charged
with miasmata may infect others
without being affected themselves —

Effect
Ephura, 1st the blood vessels
2^d the brain with delirium
3^d the glands
4th the intestines producing dysentery
5th Intermittents & malignant fever
6th Scurvy, catarrh, & Influenza

Human ephura are often combined with marsh miasmata in producing bilious fever; they are seldom conveyed more than 10 or 12 feet from the body.

No climate is necessarily unhealthy for fever depending either on marsh or human miasmata are equally interesting to the carelessness of men; were we to take the necessary precautions to drain our meadows of their stagnant waters, to remove all putrefying matters from about us, keeping our persons &c clean, those mortal diseases would cease to infect the human race.

They are like vermin sent to punish us for our laziness and folly: the Typhoid fever is rare in the United States, because there is not so much poverty and filth amongst our

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page. The text is mirrored and difficult to decipher.]

our Angers; as when those fevers abound -
for these are the causes which give rise
to these fevers in other places. The last
fever differs from the yellow and bilious
fevers in the following particulars

- 1st It comes on in cold weather and is not
affected by rain or frost
- 2nd It most frequently attacks the weak and
infirm
- 3^d The pulse is Typhoid
- 4th It continues from 20 to 30 days
- 5th It is propagated in a different manner
by excretion and perspiration
- 6th The yellow or bilious fever is distinguished
in the following manner
- 1st By attacking in warm weather
- 2nd By coming on suddenly
- 3^d By attacking the young and robust
principally
- 4th By remissions and intermissions
- 5th By the increased secretion of bile
- 6th By its being of short duration as
3, 4 or 7 days, but at sometimes runs
on in a chronic form to 20 or 25 days

7th By its being destroyed by cold and heavy rains. The Human or Palsa miasmatic exhalation, and the miasmatic exhalation, in all effect the blood vessels in all the following forms of fever VV The bilious, mild bilious, remitting, intermitting, Typhus, Typhoid, and Zebraenda

The third source of disease or Phlogiston 1st Air is rendered impure by respiration and persons affected with Typhus are greatly affected by this air

2^d It is unwholesome when mixed with the fumes of sulphur or charcoal 3^d The air of certain manufactories as that of lead, arsenic, &c are unwholesome when they are volatilized

4th After earthquakes the air has been known to be extremely noxious especially after one that happened in Jamaica in 1792

5th The

[The text on this page is extremely faint and illegible, appearing as light brown smudges and ghosting of handwriting. It seems to be a continuation of a letter or a journal entry.]

6th Winds which have passed over hot
Sunny Countries

7th The air of certain mines; if birds
fly over certain mines in Scotland
they are immediately killed. Humblers
excepted: on sunny days they may pass
with impunity as the labourers are
not then at work. Hence we may
learn an important lesson that the
remote cause is not capable of producing
without an exciting one, & in yellow
fever I have never seen a case to which
I could not trace the disease to some
exciting cause or other which brought
it into action —

After having thus treated of the impres-
sion of the air and their influ-
ence over health we will proceed
to treat of the effects of filtration over
health. New countries are generally heal-
thy until the trees which exclude
the action of the sun are partially
removed. From the time of clearing
until cultivation it is healthy. The
wood cutters in the cedar swamps of
Delaware and North Carolina enjoy
good health while the trees are

are standing, but after they are cut
down and begin to putrify health aban-
dons them in consequence of the sun's
influence upon them and other visi-
table substances. Towns are more sickly
than the country. It has been com-
puted that 3 or 4 die in the town to
one in the country. Land soils are
unhealthy. Vicinity to towns and
marshy grounds are great sources of
disease. Vicinity to ditches and ponds;
these last may be prevented by heavy
trees planted round them. A moun-
tainous country is more healthy than
a low situation but there is one
exception to this, where the mountains
arise from the bottom and neighbor-
hood. Other local circumstances affect
the healthiness of situations. Very quick
lime in a cellar more unwholesome
than in a room above ground -

Houses built so as to receive the action
of the sun in every part are not so
healthy as those built in a different
manner; dwelling houses are often
the sources of diseases from the green
materials -

of which they consist. This may
be prevented by taking the timber
in water, by which the sap is ^{discharged}
also by being built with stone. Indeed the
also by the vapour of new plastered. Paint
by moisture of cellar. By small smoky
rooms, vent of Glen line, &c. I knew
two cases of malignant fever near Zach
any count in this city and none of
the neighbours were effected by it
with it -

2^d I also knew of heads of families who
with it and none of the neighbours
were effected. This probably originated
from something impure in the cellar
or from some other local cause -
more

3^d I lastly a fact ~~more~~ appropriate
to our subject related by our Sweet-
ten V. that the whole of the students
~~of medicine~~ together with the
master of the university were all
diseased when none of the neighbours
were in the least effected. This
probably was from the exhalations
of Privies, cellars, or some such local
cause

Change of Situation over health
1st Persons changing a warmer for
a cold climate are frequently
affected with fever

2nd Persons leaving a hot by neighbour-
hood and coming to reside in the
city are affected in the same manner.
The miasmata in this case being
previously received into the system
and excited into action ^{in consequence of} the ma-
ny exciting causes in the city -

3rd Old people living in cold climates
on coming to a warmer climate
often become more healthy
while the same change in young
people would induce inflammatory
complaints -

4th Removing from a marshy to
a dry airy situation often con-
tributes to health, except in old
people, who often suffer from
the change since it deprives them
of their usual stimuli (marsh mi-
asమా)

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which on a former occasion was said
to be the support in part of old
age but the distinction of youth
and a middle age

2th Those who have made long sea
voyages are frequently affected with
cetsch, on their near approach
to land in consequence of a mixture
of sea and land air. An old sea
captain with whom Dr. Rush
crossed the Ocean was always able
to predict the approach of land
in consequence of a slight cetsch.
I have been at much pain and
trouble in trying whether thun-
-der and lightning is dependent
of the change of the air had any
influence on the human system
in producing disease, but have not
been able to collect any thing
certain on this subject. I knew
a lady who could always tell the
approach of a thunder storm by
the gid dings and heavees she always
experienced some time before,

which continued until the storm was over. Some persons appear to have been born with a fear of thunder.

A lady in this city some years ago in consequence of her dread of thunder would during the continuance of a thunder storm, shut herself up in a dark room and drink an unusual quantity of without being intoxicated; at any other time she did not discover the attachment to drink or liquor.

Beeches by their motion appear to be sensible of the changes of the weather. Mr Cooper informed me he could always predict the approach of thunder by the motion of the beeches which he kept in his house at that time —

8th Saurth appear to affect some persons. A certain lady in this city has always sweats chills, trembling and an appearance of great terror, by hearing the noise of a carriage drawn over the pavement

of the streets. Deepriefs has occurred
in two cases which fell under my
own knowledge by firing of cannon
on Green Heath. birds have also
dropped dead in consequence of the
firing of cannon upon the decks
of a ship. we will now consider
the effects of the heavenly bodies
on health &

1 of the SM we have already
stated in what manner the heat of
this body operating on the air &
influences the system we will
now consider its light, absence &
an excess of solar light sometimes
produces blindness and inflamma-
tion of the eye, while its absence
produces blindness in a temporary
degree, from the want of stimulus,
~~health~~ both of which states are
called Hypertalgia, whether it
depends upon a superabundance
or a deficiency of light, even the
momentary absence of the sun

has produced alarming effects in the yellow fever, and the maniacs during the Eclipse of the sun in the Pens Hospital were quite silent and a gloomy mist disease attack us in the knight; may not this be the consequence of the recedent of the influence of the sun?

2^d Of the Moon The influence of the moon is felt by all animated nature, even the tides are owing to its influence vegetation is measureable under it; death occurs more frequently at the full and change than at any other period. The paroxysms of many diseases appear to be influenced by the full and change of the moon. Dr Mosby mentions the case of a british officer who was regularly attacked with hemoptisis at the full and change of the moon, and at no other time.

I know a person affected with the
gout in this city, always to have
the inflammatory paroxysm about
the full or change of the moon -
The moon affects the nervous sys-
tem, also madmen, ~~also~~ hence the
term lunacy. Epilepsy and Asthma
seem to be under the influence
of the moon. Parturition appears
to be hastened by the full moon;
worms are more troublesome in
the bowels in children at the full
and change of the moon than
at any other time. Scinde appears
to spread most about the full
of the moon than at any other
time. Hypochondria and Epileptic
patients appear to be very much
influenced by the full and
change of the moon. Dr Haller
speaks of a person who felt the
Calculus in his bladder more
sensibly at the change of the
moon than at any other time
Lunar diseases yeald left to the

moon than aente perhaps from
the operation of the med.

keeping up excitement

Eclipses of the sun and moon
have great influence over the mind.

During the Eclips of the sun on
the 16th June 1806. The humi-
ties of our Hospital were remark-
ably silent for three hours and
one died during the eclips. A more
remarkable fact is the following
The British Officers were attacked
at the same ~~moment~~ during the
Eclips with our intermissions. had
the Eclips of the 16 June happened
in the autumn when the system
is predisposed to disease it is
highly Probable that disease would
have been instantly produced. The
diurnal rotation of the earth
seems to have great influence in
regulating diseases and may
probably ~~also~~ influence them
sometimes

[Faint, illegible handwriting covering the page]

The pulse changes with the different
changes produced by the earth's re-
volution, for instance it is slower in
the morning, quicker at noon, and
slower again in the evening. Dr Darwin
has happily called the evening the
autumn of the day. It is of con-
sequence to know this as they may
be of great service in the treatment
of disease both of the body & mind.

Contagious Diseases
were formerly thought to be very
numerous but they are now
known to be much more limited.
They are divided into Sporadic &
Intercurrent; contagious diseases
are received into the system by
means of the lungs, saliva, nerves,
and skin; they are sometimes
called specific contagion from
only particular parts of the sys-
tem being affected as in the
small, and chicken pox, whooping
cough & Measles &c.

the body of the animal is covered with a
thin layer of fat, which is not very
thick, but is sufficient to keep the
animal warm in the winter. The
fur is of a light brown color, and
is very soft and smooth. The
animal is very tame, and is
often seen in the company of
other animals of the same
species. It is very common in
the mountains of the north.

Antelope Deer
The antelope deer is a very
common animal in the mountains
of the north. It is very tame,
and is often seen in the company
of other animals of the same
species. It is very common in
the mountains of the north.
The antelope deer is a very
common animal in the mountains
of the north. It is very tame,
and is often seen in the company
of other animals of the same
species. It is very common in
the mountains of the north.

The Venereal, Herpes, ring worm, and
Diseases of the skin. Differ from the
Small pox ~~is~~ in being communi-
cated only by contact, also in their
originating in a fixed ^{spot} and the ~~small~~
Small pox & in a volatile matter.
Specific contagion set without an
exciting cause. While the yellow fever
and other such diseases which I only
consider as endemics scarcely ever
take place without an exciting
cause.

Endemic Diseases are such as occur
in the same place or country &
affect many people together ori-
ginating from some local cause;
notwithstanding what has been
said to the contrary I believe
the yellow fever to be an endemic
of the united States, and the
West Indies. ~~and does not affect a~~
~~few only~~ Sporadic Diseases
are such as affect a few only
at the same time and place.

[illegible]

Inter current diseases are such
as affect persons here and there without
any regard to time and place.

Epidemic diseases are such as attack
sometimes in floating parties but more
generally with great power and violence,
they attack such a number of persons at
the same time & place that it appears
as tho they were going to destroy the
whole human race, but they can be
prevented, expelled, and vanquished
by the power of medicine, in short

Epidemic diseases may be defined to
be those diseases which affect the whole
community at once.

Epidemics arise altogether and inevitably
from the insensible and foreign matter
in the atmosphere produced by
burns. Miasmatic exhalations and
are small pox, Influenza, Cynanche
Trachealis, maligna Scarlatina &c.
Influenza may be properly consider-
ed diseases of the atmosphere
I will now deliver a few lines to which
Epidemics are subjected

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[Faint, illegible handwriting on the right edge of the page, possibly from an adjacent page.]

1st They are all influenced by the
sensible qualities of the air of the season
When the influence is excited
the small pox for instance, is more violent
in summer than in winter. & the measles,
and scarlatina, and angina, still more so.

2^d They are all influenced by diet, drinks of
the season. Whilst fruits are used for
instance the disease is thrown on the
intestines.

3^d No two Epidemics of equal force and
produced by different causes can exist
at one and the same time. I would
as soon believe that one horse could
trot and pace at one and the same
time as that two diseases can exist in
the system at one and the same
time.

4th When ~~1. 2. or 3.~~ 2. 3 or 4 Epidemics
appear at the same time and place
they all blend themselves together
and one of them predominates over
the rest and appears to make them

pay homage to it by wearing its livery,
for there appears to be more such among
diseases as well as among men -

Therefore gentlemen take notice on all
your prescriptions to have an eye
on the reigning Epidemic; hence the
reason why we see a person with a
broken leg or any other external in-
jury more liable to be affected with
the reigning Epidemic as these injuries
break more the system to the attack
of the prevailing disease. A young
man left this city in the time of the
yellow fever in order to avoid it, and
on his way to German town was thrown
from his horse and had his leg broken
he was very soon after seized with a
black vomit and died in the course
of 4 days afterwards. Typhus of great
epidemics is lessened before they depart,
hence ~~the~~ the small pox as it were
chases away the plague. In Constan-
tinople: and the measles chased away
the plague from this city -
The first appearance of an Epidemic may
be compared to a Savage that attacks and
destroys men women and children.

When returning to a civilized corpse of man
who share the blood of the innocent—
It is in this stage of it that other dis-
eases can take place or chase them away
7th They appear in a variety of forms
& characters as

1st In the Malignant, bilious,
remittent, inflammatory, Intermittent
fevers &c

* In the three different forms of Small
pox viz that with and without pustules
and the confluent

2d They appear in different forms, in
different years, and with different
Prognosis under different circumstances

3d The same causes sometimes pro-
duce different forms and appear-
ances of disease

* 4th Epidemics with respect to their
violence in different seasons, persons,
and even ~~different~~ different days
Upper

4th The same epidemics require an ex-
citing cause, whilst others as the
Small pox do not

- 10 They come on in some instances with great force and violence and suddenly vanish in consequence of great frost
- ~~11th They come on in some instances~~
or heavy rains washing away the cause which produced them
- 11 They differ in ~~different~~ in different parts of the same country
- 12th They are often limited to small bounds
- 13 They affect people of the same colour and nation often, whilst others of a different colour and nation escape: in 1793 the french and negroes escaped the yellow fever of this city
- 14th They sometimes affect persons of particular ages. Moses speaks of a plague which carried off many children only
- 15 They sometimes attack persons of particular sex only. A Plague here in Italy carried off about 6000 men and scarcely a single woman
- 16 They sometimes attack persons of particular rank only; the dysentery of 1767 in France attacked the rich only, whilst a plague in 1758 attacked the poor only
- 17th They sometimes affect members of the same family and community only

1st They sometimes effect all nations
and colour all ages and all sexes at
the same time and place

1st They sometimes effect the human
Species only

2nd They sometimes effect the human
Species together with cats, dogs, Horses,
cows, sheep, and all the brute creation.

2nd 1st Lastly It must be observed
that different remedies must be used
in the Epidemics of different
Seasons and different circumstances.

3rd The different Phenomena
which have been known to attend the
Epidemics

1st that dry and windy weather
with rain generally precede an Epidemic

2nd weather frequently calm, so much so
that the leaves cannot be seen to move
on the trees and such authors have
called it a fine aura. Dr Wilson of Montserrat
mentions the case of an epidemic which
was preceded by a long calm and
smoky vapour.

3rd Diseases that precede epidemics
are more fatal than at any
other time.

1. The first committee report is that the
and the second report is that the
the same time and place.

2. The first committee report is that the
the same time and place.

3. The first committee report is that the
the same time and place.

4. The first committee report is that the
the same time and place.

5. The first committee report is that the
the same time and place.

6. The first committee report is that the
the same time and place.

7. The first committee report is that the
the same time and place.

8. The first committee report is that the
the same time and place.

The diseases which follow are always of a more violent form and sometimes of a chronic nature when they are not violent

4th Cats appear to be affected in a peculiar manner previous to the appearance of an epidemic
Birds have been known to be more scarce and have been known to die in their cages during the continuance of an epidemic.

Insects are more numerous ~~during~~ previous to or during the prevalence of an epidemic, but this rule has an exception in the house fly for they generally disappear about this time

5th Many trees emit a peculiar odor of a disagreeable smell, from their leaves and ^{some times} even the during an epidemic

6th The pulse is preternaturally slow or frequent during the continuance of an epidemic Persons who were in good health become sick in consequence of it but sometimes it happens that persons who were debilitated before an epidemic have become quite healthy in consequence of it The miasmata in these cases by their stimuli excited them to the healthy point

Oysters and a fish live a much shorter
time during an epidemic. The clouds ex-
pected The patients in Charleston by
observing the sun whence the changes
winter out of twenty are expected by
the atmosphere; if epidemics are
changed by some circumstances
they should be observed with a spy glass.
Some persons have supposed epidemics
to be a Judgment or a curse sent upon
us from Heaven. Reason not only
rejects but laughs such nonsense -
Let old women and children who as-
semble round a bonfire to hear
the tales of peries and Hobgoblins
believe such an assertion -
Thus gentlemen I have given you
such facts as I have acquired from
observation and experience during
my whole life -
I think it proper here to observe
that I think it the duty of Phi-
sicians to be students as long as they
live

elements and thinks as productive of disease. This is an important part of our pathology. I have said before that nine tenths are received into the system by means of the mouth and feet.

Elements produce disease by means of their quality and quantity
1st By the quantity diseases are often produced by an over distension of the stomach and by affording too much nourishment to the system. The effects of too much nourishment will be in proportion to the exercise taken. A laborer can take much more food without inconvenience than the idle and sedentary: the quantity ~~necessary~~ of food necessary for a laborer is about 8 lb a day, but for a sedentary man from four to six is sufficient. C

tells us of a man who would eat 25 lb of watermelon a day without injury -

Slaves limited himself to 12 oz
of solid food and 13 of milk per day -
The diseases which arise from a
deficiency of food affect children most
by, also slaves and monks, who
from a false sense of religion de-
ny themselves the necessary sup-
ply of life. Children at the breast are
often diseased, from the mother
not giving a sufficient quantity
of milk. Since they are unable
to live on any other food than
rhea dysentery & follow

Slaves are often diseased from
wanting small allowances and being
made to labour hard by cruel and
unthinking masters. Hunger appears
to increase the strength of the lion
very much who devours 20 lb of
flesh a day when he can get it.
Hunger is said to have great effects
upon the temper. Hence it is
said to break down stone walls
before it: it was in consequence
of the strength of temper after

hunger that the use of malborough
used to say that he prepared
stockmen when hungry, Englishmen
when full, and Irishmen when
drunk for an anodyne -

ferme increases the contractility
of the stomach: excitability of the sys-
tem excites pain in the stomach,
renders the secretion and excretion
acid, produces hemorrhage from
the stomach & ulcerum and

closes the scene with death -
Dr Franklin used to relate the
case of a benjamin Fox of this city
who in imitation of our saviour
to fast 40 days during this time
the Dr visited him and found
his breath so acid that shaking
hands with him drew tears from
his eyes

Hope are animal digestible

2^d Of the Quality of aliment
which are the following fish
were supposed to be the first animal
food of man a diet solely of fish
is injurious to health

Food solely animal produces, I think I went
Sunday &c and the food of Carnivorous
animals produces this effect produ-
ces this effect in a much greater de-
gree than the food of Graminivorous
There is a great difference between
the effects of wild and domesticated
animals the former being much
more wholesome The Indians
who live wholly upon wild ani-
mals are ~~exempt~~ exempt from
almost all the diseases to which
we are subject they are however
not so strong but more active
than those who live upon do-
mesticated animals Animal food
produces diseases when much exer-
cised before killed an instance
of this occurred a few years ago a
farmer killed a beef after working
him very hard and sent it to
market the result was that
of 18 persons who ate it 14 died

2 Vegetable elements nourish them
Many people living in warm climates
live upon them yet in other cli-
mates they produce disease & death
wholly vegetable produces character
dysenteries making colicness and
this notion to prevent It lessens
the heat of the human body in
warm the venereal appetite lessens
the size of the human body and
some are supposed to act specifically
upon the system as beans which
produce flatulency hence Partha-
goras forbade the use of them
who came to his school oats are
said to produce cutaneous dis-
eases and cherries when green
are said to produce mental de-
bility many other circumstances
independent of the quantity &
quality of food influence their
effects upon the system

- 1st Preparation of food by cooking
- 2nd materially change its digestibility
- Food when taken into the stomach without being sufficiently masticated produces dyspepsia
- 3rd Too great intervals between the meals disorder the stomach This should be avoided by carrying a little ginger bread or biscuit to eat between meals
- 4th Exercise or rest influences the food in the stomach The former rendering ^{unusual} food harmless the latter more healthy when vegetables are used Some philosophers of late have ventured to predict in process of time that vegetable food will be the only nourishment of man
- 5th Eating too much after fasting is a great source of disease In a convalescent state the worst relapses are brought on by eating too much or by eating unusual food after being restrained to a low vegetable diet

the preservation of food by cooking
is a very important thing in the
history of man. It is the first
step towards civilization. It is
the first step towards the
preservation of health. It is
the first step towards the
preservation of life. It is the
first step towards the
preservation of the human race.
It is the first step towards
the preservation of the world.
It is the first step towards
the preservation of the future.
It is the first step towards
the preservation of the present.
It is the first step towards
the preservation of the past.
It is the first step towards
the preservation of the whole.
It is the first step towards
the preservation of the universe.
It is the first step towards
the preservation of the God.

This is one of the greatest sources of
unsuccessful Practice when families
in Europe travel for health. They are
sometimes attended by a Physician
who regulates their Diet & Drink &c
The benefit derived from such a custom
is considerable

The sudden change from vegetable
to animal diet & vice versa is very im-
pavourable to health (See med. Lib. Vol. 1)
however it is best to allow port labour-
ing under chronic diseases to eat one
dish only at a meal

If the Food taken into the stomach too
hot or too cold produces of that disease
Mr Keel died at New York in conse-
quence of eating Ice cream

9th Noether in articles of diet often
produce disease and that is when
the diet is taken small quantities
Watermelons Peaches &c are not
received into the system in the

Season with out producing some
complaint and symptoms that are
unpleasant and some times distressing
it seems in this case that the stomach
rejects her old companions but upon
recognising them ~~again~~ renews
her cordiality with them again the
stomach sometimes remembers her
enemies for a long time and scarce-
ly ever becomes reconciled to them
Some years ago a Purple holed cherub
"Produced a vomiting in my own
person owing to great sickness. I ex-
perienced ~~these~~ from them when
young

10th Food may remain a long time
on the stomach with out showing
its mercurious effects. I once knew
a young lady taken sick the third
day after being taking ~~for~~ a small
quantity of toasted cheese and by
discharging the offending matter
she soon found relief

Dr Waller says he once knew ~~an~~ in-
stances of the food remaining on
the stomach from one week to 7
months and perhaps longer previous
to the attack of the disease.

11th Diseases may be brought on by
cooking food in improper vessels
as copper lead &c. Since the introduc-
tion of silver and iron vessels stomach
complaints are very much diminished
in number. Stomach complaints
are also produced by filth and ex-
traneous matters getting into the
vessels used to convey food into the
system. I once knew a whole fam-
ily to get sick in consequence of
a spider getting in to the basin
of milk which was eaten by them.

12 Animal food has sometimes been
rendered unhealthy from a pecu-
liarity of diet on which the animal
had been fed for some time pre-
vious to its being killed. Some fam-
ilies in Philadelphia

were diseased in consequence of eating
Pheasants which were brought to
to market the Physicians univer-
sally ascribed the cause I have
mentioned to the complaint and
these animals were condemned to
be improper & poisonous The
cause was however that the
Pheasants had lived upon a poison-
ous fruit called Laurel-berry which
was the only fruit they could get
in the winter and which is
known to give a temporary poison
to ~~these animals~~ flesh of these animals
as well as to the Deer & some others
I once knew 60 Students at Princeton
College to be affected with Diarrhea
by eating a Pye made of Pigeons
that had subsisted upon poke berries
Salt Diet when well proportioned to
the state of the system is not
unwholesome The reason why chil-
dren in the country are left effect

with colica infentum than those
in the city is I believe owing to
the salt food being used by the former
whilst the latter from their peculiar situation
are precluded from it and are obliged to live
upon fresh

It is to be wished that our farmers would
live upon fresh meat in the winter and
salt in the summer

14 There is an ~~Exaggerated~~ Theory
of Transmigration which renders wholesome or
unwholesome

Of Condiments

As productive of disease

1st These are Salt Vinegar Sugar mustard
and Spices

1st of Salt this is universal and useful
an article of diet that when it
could not be obtained that Askes and
Alkies were substituted frequently in
its stead

Some nations as the Brazilians and
Indians have never used salt but in
its stead alkaline substances

2 Vinegar is both wholesome and proper
in small quantities but when taken
in large quantities produces dyspepsia
gastrocnemia colic disposition to
scurvy and a variety of other distressing
complaints In 1770 it was said to
take down the part of the system
and induce leanness Some of our ladies
then used it very profusely and
injured their constitution materially
by it

3 Mustard the same may be said
of this as of Vinegar I had a gentle
man and lady under my own care
with a very obstinate gastrocnemia
and happening to dine with them
one day I observed that they used
mustard and vinegar very pro-
fusely I advised them to lessen the
quantities of these two articles

They are so and soon recovered Pat
often suffer from large quantities and
peculiar qualities of food Dr Zimmerman
informs us that Frederick II King of Prussia
fell a sacrifice to his ungovernable
appetite he was an enormous glutton
he always eat between breakfast and
dinner and all by way of relish
he never could be convinced that he ate
too much and when spoken to about
it he would observe that he only took
sufficient to keep soul and body together
he was remarkably fond of condiments
and the same doctor informs us that
his kitchen at 72 resembled an apothecary
shop more than any thing else
4th Sugar notwithstanding it is the
most nourishing and grateful of all
~~elements~~ condiments when taken
in moderate quantities yet when
taken in excess produces dyspepsia
Honey and Molester when taken in
excess produce disease

5th Spices when taken in small quantities promote digestion but when taken in large quantities have a contrary effect we will now turn our attention to the effects of Tea & Coffee ~~and~~ a revolution has taken place in the custom and manners of every nation since the introduction of these articles.

Tea principally injures by being too strong hence kitchen women are more affected by it than their mistresses. It will sometimes prevent and sometimes bring on sleep if the system be below the sleeping point then its stimulus may produce sleep but if the system be above the sleeping point then it prevents sleep. Tea produces nervous complaints such as Hysteria &c when taken very strong & and in large quantities. Hence ~~the~~ women are more affected with that disease than men as 10 to one in proportion.

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

[Faint, illegible handwriting on the right margin, possibly from an adjacent page.]

Coffee is a gentle Stimulus and will
some times Produce all the effects of an-
dent Spirits. I knew a Physician in this
city who previous to his going out on
a visit to his Pat in the cold
always drank a pint of hot coffee
It sometimes produces vertigo and other
diseases in consequence of which I ~~advised~~
forbade its use in any of those dis-
eases. Neither Tea nor coffee are nur-
ishing they only become so in consequence
of the sugar and milk they contain
or rather when with them

Drinks as productive of disease are water
wine beer and acid Spirits

1st Water is the most pure and whole-
some of all ~~drinks~~ those drinks but
like the others it is sometimes pro-
ductive of disease

It is sometimes the cause of disease
by its sensible qualities Water very
cold is injurious to the tone of the
stomach by its sedative effects

##

Coffee is a gentle stimulant and well
known to be the effect of an
excess of it. I have known a person in the
city of Philadelphia to his being out of
a quiet to his bed in the city
always with a kind of hot coffee
it is a very good remedy for all other
diseases in comparison of which it is
far better. It is in a cup of coffee this
even better than it is in coffee or tea.
It is a very good remedy for all other
diseases in comparison of which it is
far better. It is in a cup of coffee this
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diseases in comparison of which it is
far better. It is in a cup of coffee this
even better than it is in coffee or tea.
It is a very good remedy for all other
diseases in comparison of which it is
far better. It is in a cup of coffee this
even better than it is in coffee or tea.

When the system is very much heated
violent Spasm arises from drinking very
cold water in the stomach the teeth are
particularly affected by very cold water

M. S. Dentist of this city infor-
med me he drew three teeth in the
summer to one in the winter which
may be ascribed to this cause water
moderately warm or suffered to stand
in the air for half an hour never
produces those dreadful consequences
which are sometimes produced by
taking it too cold because this last
by abstracting so much of the heat of
the stomach leaves the system
debilitated in consequence of which
the system reacts so powerfully
that fevers are produced and water
is again required to calm down the fever
where as water not very cold produces
no such effects since the system
does not react and no fever is pro-
duced therefore cool water quenches thirst
better than very cold

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

2nd By being mixed with unhealthy
surface water in Cities is generally
unhealthy from the following reasons
That the fresh in cisterns which
are dug 30 or 40 feet below the surface
of the ground generally effects the punch
or well at the distance of 20 feet
from them It was on this account
that Dr Franklin proposed supply-
ing the city with water from the
~~Schoellkopf~~ Schuylkill Ice in
water beer Porter &c will produce
disease but not wine and ardent
spirits I have known a case of death
Brought on by drinking Ice punch
water is most wholesome when running
over beds of sand and gravel

3rd By the quantity and time it is
taken Cold water when taken in
an improper time injures the sys-
tem the same may be said to
take place when used in large
draughts many people injure them-
selves by taking large quantities of water

in the morning and late in the evening Just before going to bed This practice is induced by intemperance and kept up by habit It is pernicious as also that of drinking between meals

The Frenchmen scarcely ever use water untill the evening large drinkers of cold water are generally great eaters

2^d Wine has a great tendency to produce gout in the extremities here I must observe that gout in the extremities is always produced by fermented or spirituated liquors gout in the stomach may be produced without them but I never knew a case of gout except in persons who had been accustomed to them I think wine produces gout in warm more readily than in cold climates It has a tendency to produce costiveness when taken after supper wine is more wholesome when taken with food than without it

3^d Beer like wine when taken in large quantities produces gout and sometimes disposes to Rheumatism

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

It has been said to produce gravel if so
it is in consequence of its acidity Dr. Waller
says of 100 persons who used of gravel not
one upon examination had been found
to use beer

4th Cider may be drunken with im-
punity by laborers but produces gout
and Rheumatism in persons of le-
nter habits I knew a gentleman &
lady in whom the gout was always
excited by it The fruit from which
it is obtained is sometimes different
of Digestion in some Stomachs is
promotive of that complaint
If a red Thorn be thrust into the
cider and suffered to cool its ten-
dency to gout and Rheumatism is
destroyed the Thorn acts by obtaining
the acid

5th Ardent Spirits is a drink which
proves a great source of disease
(See med. Tr.) It may be proper
however to mention here that these
effects are experienced in the nerves

By bad vessels & much better than &c
and also upon the moral faculty

6th Dress as in many disease persons
would believe that the dress first used
to cover our nakedness after our fall
from primordial innocence would be
so used as in time to constitute a
part of our constitution. The diseases
arising from dress or the prevail-
ing of fashion & quality of our
clothes

1 Dress too heavy in warm weather
predisposes to disease

2 Fashion is often a source of disease
by pressing too thin stock or tight
of laces a lady who fainted immedi-
ately after she was pressing to go to
a tea party from being laced too
tight in her stays. I believe
a great many diseases of the brain
are brought on by tight ~~stays~~
& corsets shirt collars &c

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

3^d arteries by preventing the free return
of the venous blood would cause
crasmodicous life &c

3^d Qualities of clothing has great influence over
the system woolen or cotton clothing is
best next the skin woolen clothes has
many advantages when worn next the
skin
1st They keep up a gentle perspiration
2nd When wet they are not so disagreeable
to cold nor so productive of disease

3rd They may be worn any length of
time next the skin without produ-
cing vermin provided the other es-
sentials be kept clean after having con-
sidered the disease of dress let us consider
the dress of disease for there is a reaction

1st Hair powder is a dress of disease
as it was first put on the head in
Palencia to prevent the disease called

Phoca Palencia which is peculiar to
that country in a great measure

2^d Patches on the face were intro-
duced into use by Chumkends to hide
the pumblers of that part

3^d Neck-cloths were first introduced
into use by Henry

to hide the deformity occasioned by
Scrophula boots were first introduced
by Charles to hide the deformities of
his legs

Poisons are of a relative nature from
the seat they effect as the Poison of
the viper ~~or the scorpion~~ is innocent
when swallowed Some substances are
poisonous to particular animals while
they are food for others or they are
poisonous to one animal in one state
of the body while in another state
of the same animal they are innocent
Poisons are such

Poisons are such substances as when
taken into the system produce dis-
ease ~~and~~ ^{or} death and that they act
relatively is proven by the following
fact The venom of a spider has been
swallowed with out any injury but
when taken into the blood vessels it
immediately kills a small dog of
Opium is an agreeable ~~drug~~ stimulus
but if taken largely it kills

Poisons are taken from the animal
visible minerals or animal kingdoms
it belongs however to natural history
to point out to point out the poisons
it is my province only to explain
the manner in which they act poi-
son like Miasmata acts like by in-
ducing local inflammation the bite
of a Spider does not kill by its poi-
sonous quality but by producing
marked excitement and inflammation
and then bringing the rest of the sys-
tem into sympathy with the part
affected

2^d Of the Visible Kingdom we have
poison as the Nicotiana Glauca
Hyocymus Urtica Salvia Phama-
num Sassa Ceram Mons haad
and most Buckwheat so much
ing to man is poison to some
animals others are by dangerous
as the Chevreton when set upon
the skin 52

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

3^d Mineral poisons are arsenic &c
4th Animal ~~wind~~ Animal and Samuel
and Samuel wind and the dif-
ferent kinds of wind unfit for
respiration

Poisons have been supposed to act
by destroying a certain something
called the living Principle but
since we have denied the exis-
tence of such a principle it be-
comes us to account for it another
way we said that the functions
of the system were kept up by
certain stimuli acting thereon
in short that life is a forced state
and consequently we account for
the operation of poisons by their
destroying the parts to which they
are applied and thereby dis-
traying the ability of the system
by destroying its various functions

[illegible]

They produce this effect in the same manner as a string tied around a bell or a piece of wax tied around the string of a violin Prevents the emission of sound from either of them

Poison acts specifically

- 1st On the mind
- 2nd On the brain
- 3^d nerves
- 4th On the muscular system
- 5th On the lymphatics
- 6th On the sanguineous system
- 7th On the skin
- 8th On the bowels
- 9th On the lungs
- 10th Generally on the whole system
as Opium

Chemistry affords us Examples in support of our doctrine of poisons Mercury put upon gold destroys its ductility and malleability Zinc and copper are both softer than themselves insonorous but when mixed

mixed produce a fine brittle porous
and elastic compound or alloy
many other examples, of like nature
might be adduced from chemistry
May not poisons act on the blood
by mixing with it and destroying
its irritability

Formerly we looked upwards ~~for~~
wards from arches for power but
lately we have looked down &
found it to reside in the people
and since that time we have become
more wise and happy but not so
in medicine we have all been
looking upwards for some invisible
principle of life but the theory
I have delivered directs us to seek
for it from external causes since
this theory has been advanced the
phenomena of animal life seems
more plain and simple we must
now look outward for the support

I have been thinking of you very much lately
 and wondering how you are getting on.
 I hope you are well and happy.
 I have been very busy lately
 but I shall try to write to you soon.
 I have been thinking of you very much lately
 and wondering how you are getting on.
 I hope you are well and happy.
 I have been very busy lately
 but I shall try to write to you soon.

Support of animal life and like the
Ancients with their gods think we see
them in the clouds and winds

There are some poisons which do
not destroy life immediately these
are generally from the bite of a
King Snake but by a languid hyper-
sensitivity may the Pest thrust him
slowly as it were out of the world
this is the way I explain the ac-
tion of those medicines Poison
used in the Southern States by
the Slaves to extinguish the lives
of their masters

The Malaria which produced
yellow fever sometimes kills im-
mediately but it may never-
theless and often does bring on
chronic diseases there have been
frequent instances of persons who
had been poisoned arriving again
to proper health

[illegible]

even arsenic itself yields sometimes to
the efforts of the system to restore itself

Foreign Matter introduced
into the system as productive of
diseases

WORMS from their universal ap-
pearance in all animals I am led
to ~~suppose~~ believe serve some purpose
in the human body and when
diseases are produced by them it is
either by their being in too large a
quantity or by their getting into
some improper place they are found
in almost every part of the human
body in the liver bladder throat
Frontal and maxillary sinuses.
Brain and alimentary canal
The different kinds of worms are

the object of the picture to be one step
further down the path of knowledge

into the sun or shade

The different kind of women are
born and educated in
different and various places
and in different parts of the
world. Some are born in
the most civilized and
refined parts of the world
and are educated in the
most liberal and useful
manner. Others are born
in the most barbarous and
uncivilized parts of the
world and are educated in
the most ignorant and
superstitious manner.

The different kinds of worms are Lumbrice
or round worm the Tene or Tape worm
ascariides and the ground worm these
are either taken into the system with
aliment or generated in it I am in-
duced to think that the lumbrice
only serves a good purpose in the
system and this may be by consu-
ming the superabundant aliment
The effects of worms are seen more in
the fall than at any other season
Children are more subject to them
than adults some Nations are more
subject than others The French Itali-
ans and German, than any other
Nations worms induce disease only by
their quantity or by being misplaced
they have no effect upon the blood
vessels I deny the existence of worm
fevers

From what I have delivered
Gentlemen you may think that
I believe there are few diseases

the first of these is the fact that the
the second is the fact that the
the third is the fact that the
the fourth is the fact that the
the fifth is the fact that the
the sixth is the fact that the
the seventh is the fact that the
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the ninety-eighth is the fact that the
the ninety-ninth is the fact that the
the hundredth is the fact that the

resulting from worms I would by
no means inculcate such an idea I
~~believe there are few diseases~~ I believe
there are few diseases attending chil-
dren that are not owing to or
accompanied with worms I should
therefore give medicine in chronic
diseases without having an eye to
worms

§ 2

Substances or excremental bodies which
being introduced into the stomach
lungs nose skin &c produce disease
I have known death to be produ-
ced by swallowing a cherry stone
copper taken in to the stomach
produces distress nausea &c I knew
a lady who swallowed a watermelon
seed a violent coughing ensued
which ceased as soon as the seed
was discharged which was much
enlarged Children frequently have
grains of copper &c up their nose
the consequences of which are

often very bad since they tend to
bring on Polypus &c

Pins often produce disease by being
introduced into a part and not im-
mediately extracted I attended a case
with Mister Morris where there was
a sore in the groin which would
not be benefited by any application
until a pin was drawn from it
and then it healed immediately
A lady in this city had great pain
in her vagina for some time she
however discharged a pin from that
part and was brought to her usual
state of health Wounds from nails
especially in tendinous parts often
induce Tetanus

Shot Bullets & Powder frequently
induce disease after remaining in
the system some time I knew a
young man who had Ulcerum
every two or three years until
a pin was discharged which had
been lodged in the bottom of his foot

when young Splinters are often
the cause of fever, diseases &c I attended
an officer about the time of the revo-
lutionary War in consultation
with another Physician this officer
was affected with a pain in the
leg we both agreed that he had the
pout on & treated his complaint as
such some days afterwards there
came from the seat of the pain
a splinter about the length of an
inch long which had been thrust
into the foot some years before

Pinits Powder & Patentum
are frequently productive of disease
such as headache &c

Retained excrements are frequently
productive of many diseases

Fevers when retained any length of
time are very injurious their
effects are however different in
different persons many people
pass a considerable time without
any discharge of feces Particular
ly sailors I knew a sailor who

who went from Philadelphia to
Lisbon and returned without one
discharge of feces during that period
Dr. Haller believes the longevity of
birds to depend upon the readiness
of birds with which they discharge
their feces. There are many instances
of of Persons going a week a month
and even ~~years~~ without any

discharge that in general it is known
1st to many diseases first derive from
Dyspepsia and other gastric affections

2nd From the Piles in consequence
of the feces hardening in the inter-
stices

3rd Colic

4th Inflammation of the intestines
by their irritation

5th Ruptures in the venereal
Scrotal Umbilical &c

6th Disease of the brain the most
healthy time for evacuating feces
is once in 24 hours but this peri-
od may be exceeded

[The page contains approximately 25 lines of extremely faint, illegible handwriting in cursive script. The ink is very light and the paper shows signs of age and wear. A large, dark, irregular ink blot or smudge is visible near the center of the page, obscuring several lines of text. The handwriting appears to be from the 18th or 19th century.]

for a short time and no disease be
induced

Obstruction when returned
produces dysentery & eruptions of the
skin freezing colic diarrhoea
colera &c

Mum long returned will produce
calculus Testicular &c

Bile when blocked produces consti-
pency Jaundice inactivity diseased
or palid vision making every object
appear yellow obstructed or scurvy
liver

The causes of them are
obstructions which are met on
three ways

1 Spasm

2 Calculus or gall stones

3 Viscidity as in yellow fever

Semen when returned how does
it produce disease I answer it does
not unless accompanied with a

Preternatural strong venereal
appetite then it may produce Plethora

Menses when retained produce
a majority of female diseases when
then of the Chronic or acute kind
the suppression of the menses pro-
duces diseases of a highly infla-
matory kind which stand in
need of the lancet not of Rhuibar-
ber or other stimulating med-
icines termed Emmenagogues

Rest & Motion as productive of
disease by suppressing perspiration
is unfavourable to health hence
the necessity of imposing labour
upon men after his apostasy
to earn his bread by the sweat of
his brow this was a blessing in
disguise Women suffer less than
men from a sedentary life

Sleep & Vigilance too much
sleep produces debility from lax-
tation and exposes to plethora
indigestion fatuity &c

5B

[illegible]

I have been a laborer in
 the cause of the oppressed
 and have been persecuted
 for my faith. I have been
 a witness to the truth
 and have been a laborer
 in the cause of the oppressed.

1874
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Six hours in the 24 are sufficient
to sleep Westby who lived to 80 Aldam
slept more than 4 in the 24 weeks.
Wakefulness is a relative term and
depends on stimulus both as to
quantity and quality the stimulus
of the Passions will often prevent
sleep without producing any
injury I knew a card player who
could sit two or three days & nights
without feeling any inclination
to sleep and Haller tells us of
a woman who passed 45 days
without sleep the want of sleep
is sometimes owing to the debil-
itating Passions as grief Fear &c
and they act by reducing the
system below the sleeping point
but above all wakefulness is kept
up by fear This state of wakeful-
ness is exemplified in the an-
ecdote of gen Washington & the
Andren corn planter

The above is a copy of the original manuscript of the letter from the Secretary of the Treasury to the President, dated March 10, 1867.

your words contained in your
great paper your lessons were
like the sun in the morning
to a fever sick man which makes
him glad but does not cure the
disease. We come now to an im-
portant part of our Pathology.

The diseases arising from
the intellectual faculties &
Venereal appetite.

a gentle exercise of the faculties
of the mind is favourable to health
but intense thought brings on
debility.

- 1st When too long continued or at
improper hours, thus people
who sit late at night are seldom
healthy and the midnight
pains for this reason should be avoided.
- 2^d It produces debility when the
subject is disproportionate to
the abilities of the person.

The object of the present
 publication is to give a
 full and complete account
 of the various species of
 the genus *Phrynosoma*
 which have been introduced
 into the United States
 for the purpose of
 exterminating the
 insects which destroy
 the crops of the
 country.

The Passions are divided into
stimulant and sedative the for-
mer as hope Joy &c. act positively
the latter as Dispair grief & nega-
tively thus passions are divided in
to chronic and acute or in other
words into passions properly so
called & emotions sometimes
the passions are mixed and then
they are productive of different
effects as ambition with Fear &c.

Love produces different effects ac-
cording as the person is susceptible or on
the contrary those who are dispo-
sed in love always love stronger

[illegible]

Of Love produces different effects
according as the person is successful or the
contrary Those who are disappointed in love
always love stronger after it if at the time
of their being rejected there is not something
that will have a tendency to affront
For this reason Dr. Gregory in a legacy
to his daughters tells them when they
were addressed by a man whom they did
not intend to marry to give a refusal
in positive terms in order that he
may have no hopes of future success
Unsuccessful love produces Hypochondria
Hypochondriasis Hysteria Melancholia &c.
Joy is a powerful Stimulus & will
sometimes produce Syncope & Death
The Door-keeper in the House of Congress
at the time of the American revolution
was struck suddenly dead with Joy
when he heard of the capture of Lord
Cornwallis when Joy does not produce
Death a great depression of Spirits often
follows and sometimes suicide Joy
is greater when the exultability is
excited by previous Fear

Anger is a powerful stimulant
it increases the flow of blood with
many other uncommon emotions of
the system and will even produce
death. A shoemaker of this city died of
anger because could not avenge him-
self on a parcel of boys who blew
tobacco smoke thro a hole in his
door also a man while complaining
to his ten gatherer fell dead

Grief acts like a slow poison on
the system it is one of the worst
of sedatives it produces dyspepsia
loss of appetite & grief when excessive
will prevent a flow of tears there
is a point of grief that may be
called the weeping point above
or below which tears will not
flow tears flow when the excessive
grief has descended to the weeping
point hence Hypochondriacal
states are so much better after a
flood of tears

& it seems to approach to Hysteria
persons under such grief sleep sounder
than at any other time

Fear when excessive produces a
quick pulse dryness of the skin as-
phxia or debility Mania suspension
of labour pains and death fear causes
the hair to rise on the head and
sometimes to become white in one
night there was an instance of this
whirl place by the fright of an
earth quake which destroyed Lisbon
in 1785 It acts also on the mind &
sometimes annihilates the desire of life
Speech gives energy in time of fear
hence boys when under fear talk ex-
haust any thing else in order to ba-
nish it & produces debility &
accumulates excitability hence
the reason why cowards sometimes
perform great exploits

Terror is a compound of been and
never ~~was~~

Envy acts like a perpetual blister
on Spine

Ambition is an inflammatory fever
of the mind & has great effects upon
it A Minister in Sweden died of a
cold in consequence of being deprived of
his office

Since many have used to use
the common expression indebted to
their back and bellies It abstracts
from us the love of our country neigh-
bour friends relations servants wife
and children and lastly ourselves
The following Epitaph was written
upon the tomb stone of an avor-
ous archbishop of Canterbury
"Here lies his grace in cold clay clad
" Who died in want of what he had
It is only by the knowledge of
The passions in a humble and com-
pound state that a man can have any
influence over the minds of others

The Venereal Appetite when indulged
legally and religiously seldom injures
It injures when done by persons either
too young or too old. The old are not
affected unless they have young wives
and husbands when an old man
marries a young wife he exhausts the
policy by his death. It injures by
medicine operating on the organs of
generation - as can shew also when
grasped by the detestable practice
of Onanism ~~where~~ when in excess
in married men it is relieved by
sugar of lead salivation or a low diet
for women this produces Tumors
uterine the diseases are Dysmenia
gonorrhoea Phthisis Pulmonalis &
Different situations as it respects
health. I formerly mentioned the
diseases of society which are divided
in to Savage Barbarous and Civilized
all of which have their different dis-
eases as men advanced in civilization
fevers diminished and nervous dis-
eases take their place

Different Governments in monarchial governments there is less sensibility than in republics in republics the reverse

Different Religions the doctrines of the christian religion are more beneficial to health than any other

Different employments

Farmers are generally healthy carpenters are generally long lived because they work in the open air rivers are more common to those two classes and contrary to sailors coachmen are subject to catarrhs and other diseases for this reason that they are frequently detained weeks in the cold waiting for their masters and mistresses We are particularly subject to such diseases as Dyspepsia Hypochondria Anemia Hysteria catarrhs &c

The posture of Shoemakers and Tay-
tors invite to disease Bakers from
their being in damp cellars and
from being exposed to the dust of
the flour are subject to pulmo-
nary diseases From accurate ob-
servation made in the city of Lon-
don the average life of bakers was
thirty years Smiths of every kind
from their exposure to heat and
cold are subject to inflammatory
diseases Studious men are subject
to Dyspepsia and head ache hence
the former has been called Morbus
Studiorum Judges are subject to
catarrh from their long retention
of urine & legimens to Dyspepsia
Graves & Consumption Lawyers and
Physicians are less subject to the
diseases peculiar to the other classes
of men because they blend together
the exercises of the body and mind
uniting Physicians from their excess in

country Physicians from their excess in
riding are subject to colic, piles,
Histula in arms Rheumatism gravel &c.
I refer you to Rumbold for different
diseases of the different kinds of tradesmen

Peculiar Customs

as ~~prolucture~~ of disease there are a
great number of diseases which the
Peculiar habits and fashions of men
have given rise to

1st Of their Cures is Chem. - Drinking in
the morning to act as an antispas-
matic This pernicious practice arose
from the ~~former~~ practice of
custom of drinking in the morning
for intermittents in low endemar-
thy places. I reject a sandness the
whole day and begin the sandness
tion for Chunks

2^d The Practice of drinking wine bitter
before dinner is a dangerous ~~one~~
Practice if the appetite be good
it wants no additional Stimuli-

and if otherwise the bitter creek one
hand the power of Digestion and will
do harm by bring on indirect debility
and if you should see a Physician with
a rope laid in his face lifting with
trembling hand the bowl or cup of piss
to his lips either in a sick room or
Tavern and he should say that
he ever attended these lectures or was
a pupil of mine tell the world he
is either an impostor or an apostate
this belongs to the old school and
not to the new I disclaim him
I discover him.

3^d The custom of women receiving being
in visits the female system is then in
a very irritable state and by no
means able to bear the stimuli of
conversation

4th The tolling of bells for the dead
this has a very bad effect upon
a sick person

7 The detestable practice of chewing tobacco

Different Amusements are hurtful to the system from their standing before a play or under the hands of a barber in a cold room previous to their going out on a visit also improper change of air, the air of crowded assemblies dancing &c I knew a person die of a fit of apoplexy when leading down a country dance The theater produces many diseases it excites their passions above the ordinary stimuli of passion and thus by calling to the common wishes of life a lady who would shed tears at a pathetic tragedy would turn a pitiable beggar from her door without a thought then at the play not having vent repugnant and induced disease unless they do as a Scotchman who leapt from his box and swore in hand to rescue the distressed

Diseases arising from unhealthy
ancestors these are congenial &
Hereditary of the first there are
many Diseases Measles Small pox
Jaundice Lues Venerea Plague
yellow fever &c Dr Kunkle says in
the time of the Plague at
many children were born off with the
plague which their parents had
2nd Diseases which are hereditary and
depend upon Predisposition and
form of ancestors consumption
is more frequently derived from
the father and mania from the
mother it is remarkable that
the consumption never appears before
the age of ~~21 or 22~~ 20 or 21 and mad-
ness until the age at which it at-
tacked the mother when the parents
have been affected with part half the
intemperance will bring it on
in the children part hysteria
hypochondria & leprosy are all hereditary

Hereditary Diseases There are family
Diseases such as Cynic & Palsy &c
There are many ~~the~~ instances of
Diseases skipping over the first and
second generations and then show-
ing itself you must not therefore
confine your self to the Parents
in looking for the cause but
you will often have to go back
several generations & regard to
the operations of medicines in our
university in hereditary diseases is
necessary what was good ^{in the same case} in the
one should also be tried in the
other for there are family medi-
cines as well as family diseases

This is of ^{so} much consequence that
I wish all those who have diseases
communicable to children, would
whenever ~~leave~~ ~~those~~ leave with
them the remedies they found
most useful

Diseases arising from the im-
proper use of medicine they have
arisen chiefly from the injudicious
confidence of false systems of medicine
and many ideas of their operation
The false systems of medicine from
Hippocrates to Brown in the hands of
weak Physicians have slain their
thousands and tens of thousands
That Physicians will have the most
success perhaps in practice who
borrow a little from all the systems
Many thousands have died in con-
sequence of Dr. M. C. Blair an regimen
by living on a diet so low as not
to be adequate to the support of life
from taking Opium upon a subho-
tation. That it was a sedative ac-
cording to Dr. Cullen from a confi-
dence of the asthenic diseases of Dr.
Brown But think not gentlemen
that I do not hold out for a theory
in medicine because of the differ-
ent false theories 66

for there have been and are yet many false theories in medicine which have done much harm but we ought not entirely to reject entirely the truth of theory in medicine on account of the different Spurious ones, no more than we ought to reject the true religion because there are many false ones in the world. The injudicious confidence of the operations of Nature is also the cause of many deaths. This injudicious confidence is quite as absurd as to believe in Water craft or animal electricity. One grand argument in favour of the operations of Nature is that she is the only Physician of the brute creation but this proves too much for brutes. Seldom recover from slight diseases such as we could cure by the application of a few simple remedies but even in this enlightened age nature seems to be the Scapegoat of many Physicians.

in these three men and an
average of the three is
therefore three times as
not sufficient to reject the
truth of things on one side or
the other of the spectrum of human
nature. There are eight to reject
the true religion because there are
many false ones in the world.
The religious authorities of the
Christianity of Rome is the
cause of many deaths. The
many who have a faith in them
the doctrine of the Church is
the cause of many deaths.
The cause of the death of many
is that there is only one
of the true religion but the
many religions for three thousand
years have been. The many who
in the world are in the light of
of a few for the remainder but
there is. The religious of
nature seems to be the type of
every religion.

If the regular Physicians have done
harm by the means just mentioned
how much injury must have
been done by Quacks! ~

Quacks & Mountebanks
I once heard a dialogue between
a sword and a man kept head dis-
puting which had done most in
the destruction of mankind
Should a representation from the
Quacks, that for want he would
have gained the palm with ease

Diseases arising from the
immoderate or habitual use of me-
dicines with or without the ad-
vice of a Physician

1st Purges these when given too often
dispose to costiveness & thereby
require their more frequent exi-
bition Different kinds of purges
dispose to different diseases

and no injury to different parts of
the body also dispose to piles but the
most pills dispose to vertigo and
badly and glaucoma salt to the bilious
of the intestines purges are ~~given~~
often given to prevent eruptions
but abstinence ~~would be~~ from
animal food would be much
better

2^d Emetics The habitual use of them
produces Dyspepsia as also other
complaints of the Stomach and
by that means affect the whole
System they produce eruptions
of all kinds

3^d Bitters induce indirect debility
Dyspepsia and cetera
and dispose to Ham drinking &c
exercise is the best of all Tonics
with a well regulated Diet ~~Water~~

4th Water has produced Dyspepsia
and colic

[Faint, illegible handwriting]

3rd Op used in the Spring without disease unless Plethora & nonetheless assistance in the Spring is more to be recommended

6th Sudorifics habitually used injure the system

7th The imprudent use of cold & warm baths has done to many diseases but when the warm bath is used in the predisposing state of fever it is a valuable and excellent remedy

8th Pediluvium when indiscriminately used often does harm at least as often as it does good in Predisposition to disease it has done immense service but when morbid excitement prevails it produces Delirium and increases every symptom of disease a pint of wine will do as little harm when the disease is formed a Pediluvium

ff

9th Drunks and diets suggested
only by false theories of medicine
produce many diseases

10th Quack medicines of all kind
have swelled the bills of mor-
tality Thus Godfrey's cordial has
destroyed many children I
have seen it once destroy a
child in this city Dartington
bark has produced inflamma-
tion in the bowels and even
death even the so much famed
Pantleud Powder has done
considerable mischief but some
times medicine does mischief ^{through} its
reach it appears to do neither
good nor harm in the beginning
and that too in the hands of
Indecent Physicians this arises
from peculiar Idiogeny
in certain constitutions hence
you may see the symptoms
of bleeding soon broken too
suddenly

Sympathy and Antipathy as
~~causes~~ in curing diseases This gen-
tlemen is a ^{difficult} ~~different~~ question
that Sympathy should exist in
the mind is easily imagined
but that it should exist between
bodies seems unaccountable for
upon the consideration that
man is an insensible animal
This principle of imitation is
a deep seated principle in the
mind of most men it is to
this I refer yawning & gaping
when one is infectious in large
assemblies To this I likewise refer
the sore eyes that sometimes
arise from viewing those of others
that are sore even convulsions
have been communicated by
sympathy also stuttering and
the ticks as they are called but
how shall we account for that
instinctive evidence when some
backee have in finding out
68

events to which they are intire
strangers as to any external cause
Dr Johnson says that ~~and so on~~
Lord Roscommon while a boy
at school in France when at
Joleys was suddenly informed
with an Idea that his father
was dead who was then at
the distance of 300 miles from
him true it was and his
father died precisely about the
time that the Idea struck him

Antipathy is often singular
and acquired some men are born
with an antipathy to water as
Peter the great King James was
born with an antipathy to a
sword and others to cats dogs
&c &c I have heard of a man who
could tell when there was a cat in
the room even without seeing or
hearing it this must have been

This must have been owing to certain effluvia
emitted from the animal he hated

Diseases arising from association &
motion of the former it is well worth
attending to there is scarcely a disease
in which this association is not
present of the latter they are nume-
rous

1 If a man accustom himself to
making water just before going to
bed he will be sensibly affected
by omitting it once

2 A lady who took Snuff profusely
was attacked with palsy and was
incapable of raising her hand to
her head which she could do if
Vol. I. Ichi was applied to her nose
These two facts are sufficient to
prove the power of association
of Motion It is by this associa-
tion I account for the Periodical
returns of the Paroxysms in inter-
mittent fever and that

it is so is proved by these persons
being prevented by exerting
action or a different mode of asso-
ciation in the system thus in-
creasing our horse back cures intermittent
by breaking the chain of association
salvation and travelling have
had the same effect in Cholera

Diseases from accidents

James saw Hydrocephalus internus
brought on by the stroke of a ham-
mer on the head thirteen before
and another of the pain of the
eye in a man who had frequently
been raised by the hammer when a
child. A. W. Campbell was
rendered maniacal at the age of
23 by the kick of a horse which
he recd. at the age of 15. You
see here that we have to go back
days, weeks, months & even years
for the remote cause of diseases

It is a pleasure to have been
among the many who have
attended the lectures of the
Institution in the winter
term and have seen the
progress of the course of instruction
in the various departments of
the Institution and the
effect of the lectures
in the minds of the students.

The course of instruction
in the various departments
of the Institution has
been such as to give
the students a thorough
knowledge of the
principles of the
various sciences and
to give them the
ability to apply
these principles to
the solution of
the various problems
which they may
encounter in the
course of their
studies.

(were Bell's Surgery for diseases of this kind) I shall however mention such facts as have occurred to me ~~the~~ since their publication

1st The State of the Stomach pretty influences ~~longevity~~ the signs of an healthy Stomach are appetite and an ignorance that we have one

2^d that we hear no more of the food after we swallow it

3^d Migration influences the process of death ~~of~~ persons frequently prolong their lives by migrating from a northern to a Southern climate

4th However long some people live few live of old age it is common that only 6 out of an hundred live to 60 years

5th More women live to be old than men but more men to be very old than women

The Disproportion Case of Disease

These are either natural or artificial
The latter occur in different ages and
constitutions of the system

1st in infancy these arise from
the disproportion of the head con-
sequently the greater disproportion
of blood to that part hence eruptions
upon the head behind the ears

Genia carities who plead Hypochondria
Acid & Trupant have also less
sensitivity and more irritability
than adults hence they are more
disposed to eruptions, diseases of
the bowels Stomach & Genitalia not
only produce painfull and swell-
ed parts but convulsions, freckles
etc and many other complaints
I have also seen it produce swell-
ing of the suprarenal glands

Gonorrhoea tenderness of the skin
worms. Parasites &c

all become the sources of disease in children. It is computed that one half the children die under 7 but certainly under ten years.

2 Childhood & Puberty The diseases of ~~children~~ ^{infancy} are nearly applicable here excitability & the predominates over the sensibility.

3 Puberty in this part of our life sensibility begins to get the upper hand of irritability here puerile diseases of an inflammatory nature begin to take place & Phthisis Catarrh Dyspepsia &

4th Adolescence or manhood takes place at about 16 & continues till about 36 the diseases of this part of our lives arise from the determination of blood to the organs of generation they are diseases of the stomach Dyspepsia Hypochondriasis Hysteria pains in the stomach.

swellings in the neck and brown
reddness in the head & when
arises from the venereal appetite
from the 36 to the 46 the venous
plethora prevails over the arterial
From the 46 to the 57 there is
better health more happiness and
fewer deaths than at any other
periods the exertibility and
excitement being more equally
proportioned than at any other
time

But old age soon comes on the menses
in women cease to flow & as soon
as an man puts on spectacles, he
may be said to put on the
first part of his shroud and when
he rises in the night to put
his charge his urine he may
then be said to advance the
first step towards his grave
from 57 to 63 the system is
predisposed to lymph

I have been thinking of you very much lately
 and wondering how you are getting on.
 I hope you are well and happy.
 I have been very busy lately
 but I will write to you again soon.
 Love,
 John

I have been thinking of you
 very much lately and wondering
 how you are getting on. I hope
 you are well and happy. I am
 still the same old me, but
 I am getting on as well as
 can be expected. I am still
 very much interested in the
 work I am doing, and I hope
 you are too. I am still very
 much interested in the work I
 am doing, and I hope you are
 too. I am still very much
 interested in the work I am
 doing, and I hope you are too.

Vertigo and plexy & From the
60 The system gradually decays
It is then that a second child-
hood commences and here again
exuberant preponderates

This a man who at 40 would
drink his bottle of Madeira would
when at 60 or 70 be intoxicated
with 3 or 4 glasses It is at this
period that passions not only be-
come a burden to ~~themselves~~ but
others but to themselves they
are more disturbed at trivial
accidents and are more sensible
to the changes of heat & cold after
this is the body ceases to 80-
or 90 the sensibility of the ner-
vous system decreases and the
excitability of the cuticular system
increases and the body is very
liable to inflammatory complaints
Dr. Covert & Franklin died of
an acute and inflammatory disease
between 80 & 90 the fluids of old
73

changes of a body & from the
of the system gradually being
it is then that a person usually
has a common sense and a good
examination of the system
This is a man who is to be
about his body of the system
better at 1000 to be interested
with 1000 to be interested
which that people not only be
have a reason to be interested
at the first to be interested
one more interested at the first
occasions and one more
to the change of the system
This is the body system
or to the knowledge of the system
from the system there are the
the knowledge of the system
interest and the body is very
better to be interested
the body of the system
the body of the system
the body of the system

The fluids of old people become
acrid as the last urine passes
Juice moves from the nose &
hence trifling sores often terminate
in cancer at this time of life bruise
even in mortification here also
muscular weakness takes place
hence the shaking of the hands
sneezes head &c

The diseases of old people are
chronic and acute The former
attended

1st The blood vessels

2nd Fever

3rd Muscular system

4th Brain

5th

Alimentary canal Some
old men take a pride in show-
ing their strength by this
they not only supper picking
but some times death few
people die of old age

The friends of old people become
 scarce as the old people grow
 scarce. Many are born, but
 many die before they are
 old. The friends of old people
 are few and far between. The
 friends of old people are
 the friends of old people.

but one frequently said to
die of it when this is the case
they leave she would without
pain and death is no more
than a sound sleep Dr Priest
ly told me his father died of
that alone he was sitting in
his arm chair and the last
words he uttered were "I feel
no pain whatever and with
these words breathed his last

Condition of the system in sin-
gle and married life as pre-
disposes married people are
generally longer lived than
single people are more subject
to hysteria or women are subject
are subject to disappointment in
love men are often diseased after
marriage but this is not the case
with women Boreness is often
a source of disease in women

but one the present of 1840
the of it when this is the case
they leave the world to
leave with their to no more
there a found their of
by told me in the way of
that above the new history
his name given and the
was of he entered were
no given but over and
they were of the best

Our History of the System in the
the and the world life as
to which showed people are
generally larger than
single people are more
to the time of women are subject
the subject to which is
have men are often
average but this is not the case
with women. However in the
a number of these are women

I once knew a barren lady upon
seeing a pregnant beggar standing
at her door who said I would
see that beggar wash all her ^{come} ~~feet~~
provided I could be ^{come} pregnant
Bachelors live a Hypochondriacal
~~life~~ life It has been said
that a Bachelors life is a good
breakfast & tolerable dinner
but a very bad supper preg-
nant women are subject to
many diseases the consumption
is suspended by pregnancy be-
cause the inflammation of the
uterus is in such a state as
to take the determination
from the lungs but when
the uterus is retired from its
distention many other dis-
eases may arise from the
abstraction of the former stim-
ulus of distention Pregnancy
pre-disposes to continence

[illegible]

Mamie Vertige & Suckling children
to consumption and suppression
of milk to tumors there would
be but few cancerous Uteri. if
Uteri were more used about this
time of life

Deformities in size or the con-
figuration of the whole or any
part of the body predispose
to disease people uncommon
ly large or small are apt to
be short lived very tall men
according to Dr Darwin seldom
live more than 27 years Dwarfs
are generally short lived the fol-
lowing is an exception the
Dwarf that was brought over
from Germany in the reign
of George the first lived 80 years
these who grow very fat before
40 are generally short lived
large heads and short necks
dispose to Apoplexy

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narrow chests to diseases of the lungs
Morgagni says deformity of vertebrae
enter parts disposes to the venereal
appetite women suffer less from
deformity than men congenital
weakness of a part of the body

Disposer to disease The present
King of England is only a 7th
month child but in consequence
of his immaturity he has had
a long reign of all the parts of
the body the stomach liver and
spleen is most susceptible of
disease This gentleman brings
his own Pathology I am
satisfied there is but one disease
and that is morbid excitement
but one predisposing cause

Debility but one exciting cause in
France having finished our Lec-
ture I suggest we proceed to
one which is more agreeable

My dear Sir
I have the honor to acknowledge the receipt of your letter of the 10th inst. in relation to the
affairs of the Bank of the Commonwealth. I am sorry to hear that the
Bank is in such a state of distress, and I am sure that the
Board of Directors will do every thing in their power to
relieve it. I have no objection to your making such use of the
information you have received as you may think proper. I am,
Sir, very respectfully,
Your obedient servant,
J. B. Venable

Therapeutics & the cure of Dis-
eases previous to which I shall
make a few remarks on the
cause and phenomena of Death
the doctrine that life depends on
a vital principle has not only
led to great error in physiology
but has produced corruption
in our language thus we
say a man died insinuating
that he himself has done the
act that is he has committed
suicide The original words in
the Greek are ~~corrupt~~
They are literally translated he
"is dead" and in the Latin
morbus est but we say he died
For the seven causes of the Death
I refer you to my Med. In-
taining make these preliminary
remarks I proceed next to observe
that Death occurs from any of
these causes it is generally
H

After a long and tedious journey
we arrived at our destination
at the house of Mr. [illegible]
where we were received with
the greatest hospitality. The
lady of the house, Mrs. [illegible],
was a most interesting
person and we spent some
time in conversation with her.
The children were also
very kind and we were
much pleased to see them.
The journey was very
pleasant and we were
glad to see the country.
The weather was very
fine and we were
able to see the mountains
very clearly. The
people were very
kind and we were
much pleased to see them.
The journey was very
pleasant and we were
glad to see the country.
The weather was very
fine and we were
able to see the mountains
very clearly. The
people were very
kind and we were
much pleased to see them.

Produced by one accompanied
by ~~some~~ morbid excitement in
some part or other

The ~~perils~~ remains of excitement
in these cases ~~disappear~~ flies to
every part of the body and
seeks every hiding hole until
at last chased out of the body

It first goes to the brain where
it discovers itself by the increased
powers of the mind. At such
times Pats are remarkable for
sagacity which never challenges
any part of their lives. I knew
an old woman who just before
her death acquired a wonderful
talent for young her converse
than to her attendants consist-
ed of nothing but one assembly
of verses. There was another lady in
this city

The first part of the paper is devoted to a discussion of the
 various forms of the word "the" in the English language.
 It is shown that the word "the" is used in many different
 ways, and that its meaning is often very different from
 what it seems to be. The author gives many examples of
 the word "the" used in different ways, and shows how
 its meaning changes from one use to another.

There was another lady in this
city who discovered a talent for
singing she was incessantly at it
and may be said like the Swan
to have sung her life away
Benahben makes Cyren say
Just before his death that
It is to Die —

appeared most ~~amusing~~
The Passions are also at this time
much increased hence the Squeeze
of the hand and the starting Rips
are much more frequent than
had been before observed

2 Excitement sometimes seeks refuge
in the brain without increas-
ing the powers of the mind with
red and dull eyes &c

3 " It sometimes increases the acute-
ness of the senses and hence the
exquisite pain which is sometimes
felt from the forehead

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

This is owing to the acuteness of
the sense of touch

4th The excitement flies to the
trachea larynx and glottis hence
the ~~loud~~ noise shrieks and cries
before death on many occasions

5th The morbid excitement frequent
ly flies to the senses

6th To the stomach occasioning
violent effusions of that organ

7th To the intestines producing di-
arrhea &c.

8th To the kidneys hence the in-
creased discharge of urine

9th To the muscles hence patients
have arisen from their beds
I have known several persons in
the yellow fever to get up dress
themselves walk out and re-
turn fall down dead after
their return from walking
some six times

- in these cases no pulse would be felt. The excitement of the blood vessels was entirely concentrated in the muscles. 10th To the arteries hence ^{hence} ~~hence~~ ^{eyes and vigorous pulse} 11th To the Lymphatics hence the absorption of water in some cases of dropsy I have seen some cases in which the dropsical swellings entirely disappeared just before death. 12th To the skin hence the propage sweat which ~~is~~ sometimes precede death. It sometimes becomes warm immediately after death. I think this may be explained by that law of heat which tends to restore its equilibrium in dead matter. But heat certainly is not subject to the same laws in living as in dead matter. 13th This morbid excitement is sometimes translated to the peris hence the obstinate and dishepping Prichum when
- 78.

- Many people are sometimes affected with GA sometimes occurs two three or more of the parts above mentioned at the same time
- 1st GA sometimes alternating affects different parts in quick succession
- 2^d Marked excitement whether fixed or diffused is sometimes attended with great pain
- 3^d GA is sometimes stationary at the pleasurable point of excitement hence some people die laughing the late General Butler said while dying Oh that I had a pen and ink that I might describe the pleasure of dying
- General Lincoln said "to die is not so hard as I expected"
- 4 Death in some cases is not attended with pain or pleasure this depends on the excited state of the sensibility

[illegible]

3rd Death some times makes its appearance gradually in three or four days

4th Respiration some times becomes voluntarily but at last the Pet cannot breathe voluntarily from weakness and the mucus in the trachea moving up and down and producing what is called the rattle the Pet rarely recovers after this has taken place when the lungs from extreme weakness are unable to perform as long as the Pet can force it up we may induce a hope of his recovery

5th The coldness generally begins in the fingers toes and other extremities it sometimes extends first in the wrists in such a case of slow recovery

8th The internal parts sometimes
sometimes become cold before the
external hence the cold breath that
is perceived before death

9th Death is some times attended
with fear

10th The pupils of the eyes some-
times become enlarged at
other times preternaturally
small before death heat and
colour frequently remain undi-
sturbed for two or three days
and a yellowness of the skin
sometimes come on after death
when there had been the least
appearance of it before there
has been much contention
among Physicians about
the Ultima Moments from
what has been said the result
of their researches may be
easily perceived

Life continues longest in those
parts which have been least affect-
ed with disease sometimes we
discover a good pulse to the
heart so with the stomach-
Brain Intestines Lymphatics
Muscles & the gleamy and
concocted face which some-
times succeeds death is owing
to the remains of excitement in
the muscles of the face the
body putrefies soonest when
death has been produced and
besides the Intestines putrefy
first then the stomach mus-
cles & lastly the brain

The first of these is the
 fact that the
 government has been
 in the habit of
 paying the
 interest on the
 public debt
 out of the
 treasury.

Therapeutics

Gentlemen after having considered the remote causes predisposing and exciting causes of disease we proceed to Therapeutics a view of the system in a morbid state with the debility predisposing and following disease the first article in our Syllabus on therapeutics is respecting the power of nature or the Arma Medice of ~~the~~ Stahl the supposed powers of nature arises from physical necessity entirely (vide Med. eng.)

1st There are cases however in which nature cures diseases such as fevers causing a discharge for food In Hemorrhages causing a fainting and consequently a collapse of the vessels

and in wounds in supplicating
have much flesh

2^d There ^{are} cases in which Nature is
too feeble and weak to do any
service as in Malignant fever

3^d In others she is not propor-
tioned to the disease as in Colera

4th Sometimes she is ~~the~~ as
in Chronic Joint Phlegm, Man-
ia, Cancer and ~~the~~ Syphilis

5th She sometimes does mischief
as in Dropsy and Consumption
weaving or tearing herself
with hectic fever

6th She sometimes refuses her aid
as in Anasarca and Scabies

7th She sometimes excites self
Poison than is proportional
to the disease as in Tetanus
and sometimes more as in
toothache & Paranechia

8th Nature is weak in the diseases
of Domestic animals

The following is a list of the names of the persons who have been admitted to the membership of the Society since the last meeting. The names are given in the order in which they were admitted.

for with them disease and death
are very nearly connected especially
in Epidemics I am not
the first who ~~opposed~~ the operation
of nature in the cure of disease
by venesection and bleed were long
ago opposed to it the efforts of
nature in the cure of ~~marasmus~~
and Pleurisy bear no resemblance
to the operation of Chimney &
the lancet which are our sole
regular remedies nature in health
is like a man in his senses
but in disease like a madman
It may be compared in dis-
ease to a drunken man in a
work room who after binding
the door stumbles against it
and breaks it down and his
existence at the same time
in short when you are called
upon to prescribe in ~~acute~~ acute
disease

[illegible]

In short when you are called
upon to prescribe in acute diseases
you should serve nature as a
noisy set or dog in a pack race
that is turn her out and shut
the door against her in the case
of disease however the operation
of nature should be attended to
but not trusted the Crudities of
the bowels be effected and show a
tendency to carry off the disease
by discharge per ano. this should
be assisted by purges if Hemo-
rroy from the nose attend the
disease N. will be useful if long
eruptions appear on the
skin substitute an artificial
~~some~~ disease on the skin if
sweats accompany the disease
sudorifics should be administered
but if sore throat a distinction
to cough attend Mercurys should
be given to exhal the morbid
matter you see then gentlemen

[The page contains extremely faint, illegible handwriting, likely bleed-through from the reverse side.]

Phyicians are to be the masters
not the servants of nature in
the cure of disease as Hygieia
has well expressed it one ought
to a disease should not be driven
back upon altho it may be suffi-
cient in a few mild diseases yet
every disease ought not to be
removed it could possibly be
should be opened There are some
diseases which should be cured
by cut excisions on the
heads of children These should
be cured unless some other mode
be substituted to carry off the
matter The bloody Piles in
old people should not be
cured & unless we substitute
some venereal discharge should
not be cured even in young
people Intermittent fevers
should not be cured
Dr. Bond advised this measure

pat to visit marshy countries
and there by bring on the in-
termittent fever as a pelactive
for mania but W. in this case
would have been much better
I am succeeding Mania should
be checked Dr. M had a case
later that was twice attacked with
mania upon the retrocession
of head ach Old sores and ulcers
should not be suddenly healed
because Apoplexy and palsy
frequently ~~and palsy~~ succeed a
sore thus cured unless some me-
dian discharge be substituted
Death has often been brought on
by curing sore legs in old people
as also should not be cured by
tapping after it had remained
a long time Abdominal Swells
from the feet should not be
stopped There are some cases
in which pain should not be reli-
ved but these are few
A 3

In Exercises we should pay particular attention to the climate and all local circumstances as the season of the year heat & cold dryness and moisture &c. there are no exceptions of this rule perfectly the same in different years consequently the practice should be suited to different circumstances and regulated by the natural predisposition habits dress &c. and attention ought always to be paid to customs and country from whence the Pot came. In Intermittents when they attack a notice of Ireland generally leads to bleeding and seldom leads to the bark alone. The particular diseases and longings of the Pot should always be attended to. In the time of the revolution the soldiers of the eastern States were affected with Nostalgia while the Virginians longed for salt pork & corn bread.

Whitites however singular should
not be neglected neither should the
government. & poverty of religion
In unusual Predisposition & habits
all disease or remedies are not to be
left out of consideration The chronic
diseases and hereditary complaints
you should look back as far as
the second and third generations
whole families are sometimes carried
off by diseases contracted by habits re-
cultural to themselves Witness Dr Craig's
family of Alexandria all of whose
children have died of consumption
while both himself and wife are
exempt from it and in good
health this was a filial disease
the age of men the state of the
Hemorrhoidal vessels and the
catarrhia of women should be
attended to nor should worms in
children be overlooked in our visits
to them and prescriptions for them
There are also recent causes of dis-
eases which Physicians should also have
in view
B4

as hard drinking & gluttony & not just
true mortified pride & envy & These vices
should be sought for from their
friends acquaintances or enemies &
not from the pet himself & Physicians
must often look back months and
even years for the cause of disease
The removal of the remote cause
will not cure the disease for the
Hydrocephalus in terms of children
to which worms Predispose is not
cured by the removal of the worms
In the treatment of disease look
as far as is consistent with truth
and reason should be referred into
our pets for it is the best re-
fuge of medicine and the greatest
circumpection that not even
the a doubt should be expressed
for it defeats the intention of
medⁿ remedies The principle of
faith should also be extended to
him & quacks so often succeed in
the cure of disease

The predisposing cause of all diseases is debility which appears to be a mechanical power in med. There are no diseases perhaps which do not appear to have exacerbations and remissions alternately which sometimes require different & even opposite remedies in the first exacerbations are necessary & in the remissions debility is frequently present and requires the administration of cordials. In chronic diseases the patient should regularly take his medicine. It is frequently of very great importance to advise patients to continue the use of their medicine even when they feel the best want of them.

Debility which is the predisposing cause of disease is not confined to days weeks nor to its primary state for it frequently succeeds disease

In such case the vet should con-
tinue the medicine which cured the
disease for month and even years.

Diseases may be compared to a
farrion the berisus of which should
never be lost unless there be a cer-
tainty of bringing on a capitulation
by starving the beast there in
contaminated.

The choice of medicine.

Formerly they were supposed to be
valuable in proportion to their
prices but I suppose that all this
error may be cured by a few medi-
cines which being better known
will be more certain in their
effects. An advantage frequently
arises from an ignorance of the
names of medicines. With respect
to the operation of med^{icines} two
opinions have prevailed and is
that they act more certainly
in their simple forms.

The first thing I saw when I stepped
out of the train was a vast
open plain. The hills were
low and rolling. The sky was
blue and clear. I felt a sense of
freedom. The air was fresh and
clean. I had never before.
The people were friendly and
kind. They welcomed me with
open arms. I felt at home.
The food was delicious and
affordable. I was in luck.

The people here were
friendly and kind. They
welcomed me with open
arms. I felt at home.
The food was delicious and
affordable. I was in luck.
The people here were
friendly and kind. They
welcomed me with open
arms. I felt at home.
The food was delicious and
affordable. I was in luck.
The people here were
friendly and kind. They
welcomed me with open
arms. I felt at home.
The food was delicious and
affordable. I was in luck.

While others contend for the ad-
vantage of combination both
these opinions appear to be reason-
able but Gum &c are generally
best when exhibited in a simple form
While Sugar &c enables the stomach
to bear medicines when it would
otherwise reject in this case a
weak pleasurable sensation over-
comes a powerful disagreeable one
Bark and Opium will cure cer-
tain headaches, but if administered
separately will avail nothing ~~Dr. Ferri~~
~~argues for the administration~~
argues for the advantage of
combination of medicines and says
that album is a febrile or purgative
when combined with rose water
than otherwise Dr. Hart also contends
for the combination of medicines
and says that some medicines are
stomachs and enemies to the system
and should not be introduced with

with out their guides or Shies Squills
and Gum Ammoniac afford a better
Pectoral than either of them would
separately Tar, Anis. & Thiacae. form
a better emetic than when given
separately Cebseum and Pepper
give no pain to the Stomach as
when separately

Doctors & Clergymen should
be strictly attended to in the prepa-
ration of our medicines writing
the name of a Pat on a Medicine
should never be done drawing
the mind from itself or in other
ways drawing off the attention
of a Pat from his disease is very
detrimental I had well & der has
very successful by this practice
he once by his great human pre-
sented a man from committing
suicide the tone of conversation
should be suited to the state of
the mind

hence Muth is sometimes, beneficent
and some times hurtful attentions
have proved necessary to those who
are not able to purchase them should
be carefully avoided & guarded against
Physicians should never advise patients
to make their will for they might
as well pass sentence of death upon
them but they should always in
form the friends of the patient of his
danger that they may be prepa-
red

Concerning the Operation
of medicines there is more belief
in the opinion on this point
than any other Dr Ferrius says
the best effects of medicines is to
produce a relaxation of the skin
whilst Dr Cullen thinks that nausea
is of greatest advantage since we
reject empiricism we must always
prescribe for the symptoms of the
disease

57

I am writing to you in a
hurry and so I cannot
say much more than
that I am very much
interested in your
work and hope you
will continue to do
it. I am sure you
will find it very
interesting and
profitable. I am
very much interested
in your work and
hope you will
continue to do it.

I am writing to you in a
hurry and so I cannot
say much more than
that I am very much
interested in your
work and hope you
will continue to do
it. I am sure you
will find it very
interesting and
profitable. I am
very much interested
in your work and
hope you will
continue to do it.

As consultations may be useful in some diseases we will sometimes be resorted to on that occasion.

- 1st As Thon sharpens Thon so will the opinion of one Physician assist that of another
- 2^d The novelty of two or more Physicians may inspire hope and increase confidence in the mind of the patient
- 3^d The responsibility is divided between the Physicians

Cases in which Consultations
are necessary

- 1st The doubtful cases
- 2^d The dangerous the most doubtful
- 3^d The uncommon cases
- 4th The desperate cases
- 5th When new medicines are first used to be proved
- 6th The cases where there will probably be appeal to Justice

The number of our officers in
 the army of the Republic is
 about 100,000 men. The
 army is organized into
 regiments, battalions, and
 companies. The officers are
 appointed by the President
 and are responsible for the
 discipline and training of
 the troops. The army is
 the main branch of the
 armed forces of the United
 States.

THE ARMY OF THE UNITED STATES

The Army of the United States
 is the largest and most
 powerful of the armed forces.
 It is composed of regular
 troops and militia. The
 regular troops are organized
 into regiments, battalions,
 and companies. The militia
 are organized into regiments
 and battalions. The Army
 is responsible for the defense
 of the United States and
 the protection of its citizens.
 The Army is the main branch
 of the armed forces of the
 United States.

To Justice for the life of a person? ^{th?}
not depend on the testimony of any
one person at least a Physician
would not be willing to bear testi-
mony alone when the life of
a human being depended upon
his decision

The Conventional Chafe Physicians
whose principles are nearest him
idea of an over mode of practice
two modes of practice the ears may
be good when separate yet when
combined bludge, do harm —

We Come now to the application of
our principles

1st The effects of impression on hee-
thy excitement is to elevate it up
to 60 on our scale and produce the
normal excitability

2 Debility from action is produced
by longer application of im-
pressions The same is now
at 40 if you abstract impression
the effect is the same viz Debility

- 3^d Depression the system is now at 30 These states of the system are attended with accumulated excitability if the impression act suddenly
- 4th Disease or morbid excitement is produced by a still larger application of impressions, but if these impressions act suddenly both excitement and excitability are now lower and no case is produced
- 5th Depression or supposed excitement^{ent} The system is now at 20
- 6th Prostration the excitability is now exhausted and the system cannot react new and ~~different~~ ~~these~~ different stimuli are now to be used to rouse the excitability which is now latent and is as it were unveloped and will not admit the motion of life

7th Disorder

A Death when debility is suddenly induced it is attended with accumulated excitement and should be treated with low diet rest gentle medicines ~~and~~. But when debility is induced gradually we must gently stimulate

Elevation shew itself in alacrity wakefulness and an increase of appetite

Depression is sometimes followed by a tendency to disease in this case depletion should be used but when there appears to be no tendency to disease Stimuli should be used we must equalize excitement and must it from total prostration by depletion or Stimuli

or finally
from the fact of the
its statement was about it
should be used the same place
no longer to these things
but when there appears to be
one objection I have to use
by a change to this in the
solution is sometimes followed

RR

Medicines have been divided into
Sedatives and Stimulants the
1st class are Sedatives act by abating
exciting and reducing morbid ex-
citement

2^d Stimulants act by equalizing
excitement and by creating a
new action by diverting it
from parts more essential to
life to ~~which~~ to those not so
much ~~so~~ by rendering it nei-
ther

Sedatives are divided into
Direct and indirect Those which
act direct by lessening stimuli
and abstracting morbid excitement
are

1st Blood letting

2^d Cold whether by air water
or Ice when the system is e-
bore &c and the skin dry

The above have been divided into
 sections and subsections for
 the purpose of facilitating the
 study of the subject.

I have been thinking of you very much lately
 and wondering how you are getting on.
 I hope you are well and happy.
 I have been very busy lately
 but I have managed to find some time
 to write you a few lines.
 I have been thinking of you very much lately
 and wondering how you are getting on.
 I hope you are well and happy.
 I have been very busy lately
 but I have managed to find some time
 to write you a few lines.

18th March 1891
 My dear Mr. [illegible]
 I have the pleasure to
 acknowledge the receipt of
 your letter of the 14th inst.
 in relation to the [illegible]
 and in reply to inform you
 that the same has been
 forwarded to the [illegible]
 for their consideration.
 Very respectfully,
 [illegible]

3^d Fear This reduces morbid excitement
by abstracting the stimulus of courage
4th Abstinence This is of different
grades

1st The Preparation from fresh uncooked
2^d salt meat This is not (pound
so nursing as fresh since so
great a quantity cannot be taken

~~5th Milk~~ 3^d from fish

4th from milk and saccharine
matter

5th from liquid elements of all kinds
abstinence acts in three ways

1st By lessening the stimulus of
Existence of the B vessel
2^d by lessening the pulsations of the
B vessel

3^d By exciting when longer is
in need a new action and
thereby diminishing morbid
excitement The operation of
abstinence is too slow in acute
disease and not to be trusted
40

My dear Sir,
I have the honor to acknowledge the receipt of your letter of the 11th inst. in relation to the matter of the
of the same. I have the honor to inform you that the same has been forwarded to the proper authorities for their consideration.
I am, Sir, very respectfully,
Your obedient servant,
J. M. Smith

only in Chronic Cases and in
these cases of debility where it
increases excitability and thereby
gives greater room for the action
of Tonics The following facts
with respect to the operation
of tonics Asmenne should not
be forgotten

1st The Indians abstain from
food previous to battle hence
so few of their wounds prove
mortal

2^d Animals fasting for sometime
before death are less disposed to
putrefaction

3^d We always bear fatigue better
after a regulable diet or abstinence
than when we eat plentifully
of animal food

4th Rest abstracts the Stimuli
of muscular motion

5th Darkness abstracts the Stimuli
of light

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7th Silence This abstracts the stim-
ulus of sound The abstraction of
excitement should ~~always~~ be per-
formed in a gradual manner hence
the saying Natura vis percontationum

Here we may premise a few pro-
positions

1st There is ~~there~~ an action of
specific stimuli

2nd That stimuli act on the whole
system thro a particular medium
and the stomach is the great
medium tho when med acts
on the whole system it passes
the greatest sympathy of any of
the whole body It may be com-
pared to the regulator of a watch
3d There are medicines which act
on sensibility as Mustard Capsi-
cum & Lard which act on irritability
as Digitalis and some which
act on both as Opium & bark
4th There are medicines which enter
the blood vessels

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

7- There are some which are deprived
of their medicinal qualities by pas-
sing thro the body

8 That different parts of the system
are capable of receiving more than
one Stimulant and even such as
are of opposite force at the same time
Thus the bowels feel Rheubarb and
the bowels Bark at the same time

Those Sedatives that act in directly
or indirect Sedatives are such as
act on the bowels Those I shall
divide into three classes

1st Laxant as crystals of Tartar
Nitron Calyster which act
only by their quantity coster
oil Mannabital with different
salts &

2^d The active as Rheubarb Jalap
and Colomel

3^d Those Juncos as Gamboge Scam-
mony Aloe & Cathartes are in
use

1st By a distension of the bowels of
the bowels with pears for this
the best effects of cathartics should
be used

2nd By complaints in the head
for this they should also be used
very lenient

3rd By congestion in any of the viscera
the lenient should also be used

4th In all cases where the bowels are
unable to perform their function
here the drastic are necessary

5th In all cases where the contiguous
viscera are disordered for either
active or drastic are to be used

6th In all diseases of the skin for
these either lenient or active are
to be exhibited as also in plethoric
habits

7th For dryness of the skin from the
excrement of the capillaries ves-
icles for this either lenient or
active purges are to be used

8th For this active purges are used

9th For all advanced appearances they
are proper by lessening excitement
and promoting absorption &c.
this may be either leucant or Martia

10th For obstructions of the hemorrhoidal vessels for this leucant

11th For obstinate obstructions of the
bowels for this either leucant or Martia
Here it will be proper to remark
that purgatives in a small quantity
should be given to have the
same effect if permanently the
system has been accustomed to
the medicine as an alterative
they should be given in
small doses so as to produce an
unusual discharge when it is
necessary to continue purges
a great length of time they
should be repeated no solid food
should be taken during the
operation of purges and they
are not so certain

If liquids be copiously given the mild purgatives induce sweat more readily than the drastic clysters act by their quantities and qualities

Purgatives are forbidden in the following diseases

- 1st The diseases of weak & morbid excitement
- 2^d In the Lymphatic state of fever
- 3^d In Hemorrhages from the bowels
- 4th In the worst stage of calicula ⁱⁿ the

Emetics are divided into

four classes prompt mild powerful & nauseating

- 1st Those which act promptly on irritating the throat with a feather putting a finger down the throat warm water white vitriol &c
- 2nd Those which act feebly on the stomach are Thrice & Squills
- 3^d Those which act powerfully

It is now the intention of the
author to publish a new edition
of the book in the winter of 1845
and for the purpose of securing
the best possible results

Proposals are for publication
in the following manner

The author of the book
has been informed by the
publishers that the book
will be published in the
winter of 1845 and for the
purpose of securing the best
possible results

Editorial are published in

the following manner
and for the purpose of
securing the best possible
results the author has
been informed by the
publishers that the book
will be published in the
winter of 1845 and for the
purpose of securing the best
possible results

on the Stomach are antimonial
preparations, Terrestrial Mineral &c
1st Those which act by Nausea
are Digitalis & Tobacco which best
may excite vomiting by being
moistened with brandy and ap-
plied externally

Emetics are Indicated

1st in cases of Swallowing large
doses of Opium or Arsenic in
these cases the first class should
be used I have prevented death
in two instances by this means

3^d In discharging bile mucus or
any indigestible matter from
the Stomach here the second
class is proper

4th in a lumped State of the
Stomach here also the 2^d class

are the persons who are
the most common
of the class who are
are the most common
very much
the most common
the most common

Properties are the most common

the most common
the most common
the most common
the most common
the most common

the most common
the most common
the most common
the most common
the most common

- 2 class should be recommended
- 3rd The morbid diseases of the head
in consequence of its sympathy with the stomach here the
second class is also to be used
- 6 The tumor of the remote parts
of the body as breasts &c here the
2nd or 3rd class may be given
- 7th The morbid affections here 2nd or 3rd
is proper
- 8th The oppression of the lungs
as in catarrh when the lungs are
affected with disease the 1st should
not be used in the best that
is oppression the best is proper
- 9th The dryness of the skin here
the 2nd or 3rd is proper
- 10th The purifying state of me-
lancholia and contagious fevers
the second and third classes are
proper here they act in two
ways 1st by equalizing the excre-
ment & 2nd by discharging the seat of
disease
- 94

11th They are more powerfully effected
at an early hour in children
than in adults

In the exhibition of emetics you
must observe ~~first~~

1st To give them in divided doses
that they may not operate too
powerfully upon your Pat

2^d When we want a prompt
effect to give as little water as
possible

3^d That they operate more power-
fully in the morning the system
at that time being in the
best state of ability and most
predisposed to ~~overcome~~ sickness

4th To give supper them to one
rate while the body of your Pat
is in a recumbent posture
because by these means we prevent
nausea

5th That their operation is checked by
a spoon full of salt in a pint of water
also by camomile

The first of these is the
 fact that the
 government has
 been very successful
 in its efforts to
 bring about a
 more efficient
 system of
 taxation. The
 result has been
 a considerable
 increase in the
 revenue of the
 government, and
 a corresponding
 decrease in the
 burden of the
 people. This is
 a very important
 step towards
 the improvement
 of the financial
 condition of the
 country.

when they are above and
2^d by the reaction of the skin when
it is below the sweating point
Diaphoretics act on the capillary
vessels indirectly thro the medium
of the stomach

1st By nauseating or Emetic an-
tistonia &c

2^d Without nauseating when
cold water when the capillary ves-
sels are above the sweating point
they act on the skin by
congenous sympathy

Diaphoretics act

1st When the capillaries are
above the sweating point by
diminishing the excitement
directly

2^d When they are below by in-
creasing it either directly or in-
directly

3^d By their action being deter-
mined to the surface

1. The first characteristic of the
 2. second is the fact that the
 3. third is the fact that the
 4. fourth is the fact that the
 5. fifth is the fact that the
 6. sixth is the fact that the
 7. seventh is the fact that the
 8. eighth is the fact that the
 9. ninth is the fact that the
 10. tenth is the fact that the

of the body as Hives Pankles
ringworm acne herpetic eczema

4th by the stimulus of Distention
Produced by warm liquids of
every kind especially each of
these methods is often necessary
and often indicated

1st To discharge disease from

the blood the miasmata arising
in fever often attempt to escape
thru the capillaries of the skin
I have heard of a young man
in who the Syphilis went off
thru the skin capillaries

The poisons sometimes escape
thru the skin from the
blood by means of diaphoretics

2 They are indicated when the
symptoms are so mild as not
to require it.

3 The cutaneous diseases as skin
infection Gout &c

When they affect only the limbs
Here I take notice that diseases
are called centripetal when
they affect the extremities or ~~limbs~~
and centrifugal when they
affect the body only as Colic &
Dysentery

4th In Morboid affections when
the ~~gum~~ venes are below the
sweeting point

5th In fevers when there is a
tendency to sweat excessive
sweating is sometimes hurtful

The following Rules should be
observed in the application of
the phoriatrics

1st Perspiration is most easily
induced in bed to excite
which planned it be warm
next the skin more perspi-
ration in p. hour than 14 out of
bed

When they first saw the birds
there were many other birds
one called *Amphispiza bilineata*
they were the same as the
one I saw in the water when they
first saw the birds only a little

different
I think that the different
the same as the others are below the
meeting point

It is the same as the others
because it is not so common
there is some more than

The following birds have been
observed in the water of
the lake

1. The *Amphispiza bilineata* is most common
by the water in the lake to exist
without however it is more
than the other birds seen in
the water than the rest of
the birds

- 2^d Subdivided well for the stomach
alternately full and empty is im-
proun able to perspiration
- 3^d Great attention should be paid
to the heat of the body because
sweat cannot be induced with
safety when the heat of the body
is above 100 of Fat Therm.
- 4th The Temperature of the trunk
should be warm when the
heat of the body is below 100 and
cold when above the same point
- ~~3rd They should be suspended~~
- 5th Diaphoretics should be regu-
lated according to the state of
the disease and pulse
- 6th They should be suspended or
cautiously and used moderately
least exhaustion should take
place
- 7th Care should be taken to
have the bed clothes and linen
often changed because sweat

After charges be come first
have the bed made and then
the bed should be taken to

the bed should be taken to
the bed should be taken to
the bed should be taken to

the bed should be taken to
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Sweat is very often checked by a
stiff shirt

3rd It is common to give ~~stimulating~~
drugs in cases of redundant
fluids but this practice is im-
proper unless in cases of poison
when it ought to be done

4th Care against cold and ~~and~~
and purging and blistering
when you use diaphoretics unless
the urgency of the case require
them

Diaphoretics are forbidden

1st In highly inflammatory
cases

2^d In cases of weak morbid action

3^d When they weaken with-
out relieving pain they ~~do~~
do harm

4th In Typhus fever a moist
skin only is proper for this
state of the system

It is very often found by a
fisher.

It is a common to find
the fish in the
river but this is not
the case in the
river it ought to be done

It is a common to find
the fish in the
river but this is not
the case in the
river it ought to be done

It is a common to find
the fish in the
river but this is not
the case in the
river it ought to be done

It is a common to find
the fish in the
river but this is not
the case in the
river it ought to be done

It is a common to find
the fish in the
river but this is not
the case in the
river it ought to be done

Diuretics are medicines which
increase the secretion of urine
and are

1st Cold air applied to the back
when a little heated going into
a cellar and up stairs having
a stream of liquid running cold
water applied to the back & sometimes
pear ointment applied to the pubis
These I call external diuretics

2 Saluting drinks as elder seed
tea also white carrots and barley
seed tea Dr Cadwallader cured a
patient of dropsy by means of per-
sely seed tea after tapping his belly
This class I call diuretics

3^d Those which act on the kid-
neys by sympathy of the
stomach such as salt of tartar
vegetable acid preparations
of iron and so

Diuretics are forbidden when
there is an inflammation of the
kidneys

The first thing I noticed when I stepped
 out of the car was the smell of pine
 needles and the softness of the
 snow. The air was so fresh and
 clean, it felt like I had been
 reborn. I took a deep breath and
 felt the cold air fill my lungs.
 The snow was so soft and fluffy,
 it felt like I was walking on clouds.
 I had heard that the snow was
 perfect, and now I knew why.
 It was just what I needed after
 a long winter. I had been so
 tired and stressed, and now I
 felt like I had found a new world.
 The snow was so beautiful, it was
 like a blanket of white. I had
 never seen snow like this before.
 It was so soft and fluffy, it felt
 like I was walking on clouds. I
 had heard that the snow was
 perfect, and now I knew why.
 It was just what I needed after
 a long winter. I had been so
 tired and stressed, and now I
 felt like I had found a new world.
 The snow was so beautiful, it was
 like a blanket of white. I had
 never seen snow like this before.
 It was so soft and fluffy, it felt
 like I was walking on clouds.

Sialagogues or evacuent and re-
sents revulsents & evacuent set
first by discharging fluids con-
gruous to the Salivary glands
such as Saliva angelica &c

2^d By discharging fluids from
the whole body in the form of
saline as mercury arsenic ac-
tate of lead &c mercury acts both
as an evacuent and revulsent
it is one of the most powerful
articles of the Materia Medica
yet its operation is disagreeable
and loathsome It has been
said that mercury is not only
~~an unnatural but a loathsome~~
~~but~~ a disagreeable and loathsome
remedy but an unnatural one
but this is not the case for
mercury is the first medicine
of nature if we admit that
sore mouth and all the other
diseases of children for mercury

mercury produces the same
effects hence when children
sleep much the parents say
they are sleeping for a sore
mouth and if examined at
this time they will be found
to have a fever & inflammation
on to the mouth and throat
of children is frequently one
of the diseases of children or re-
ther the attempt of nature to
cure a disease as scarlet fever
grosse ~~Cyanure~~ Thackerell &c
the adult phantoms saliva-
tion sometimes accompanies
fever as also in the small pox
is generally a baneful all sym-
tom Death frequently follows
this salutary ~~evacuation~~ and
useful remedy if it be sud-
denly suppressed If a cough &
salivation attended not with
the yellow fever they generally
recovered

[illegible]

D^r Sydenham mentions a
malignant fever of 1767 & 78
being cured by a spontaneous
salvation ~~A sudden~~ A spontaneous
salvation has suddenly cured the
Dysentery and sent a shutting
fever in mania which was
called by the old writers

~~It~~ marked the prompt termination
of autumnal fever. It
is therefore I think that it has
not been used long in these
cases. That we do not always
excite it when useful & that
we do not destroy life as nature
does in at the Malignant
Scar throat &c

Medicines to excite salvation
are 1 N. S. 2 Low diet 2 Comeries 2 Opium
in this assists by inducing
collapse to cold bath &c
many used cold bath with
bitter to assist the operation of

The of our own country
 is only one of the
 many things that
 have been done
 for the benefit of
 the people of this
 country.

I have the honor to acknowledge the receipt of your letter of the 10th inst. and in reply to inform you that the same has been forwarded to the proper authorities for their consideration. I am, Sir, very respectfully,
 Yours, &c.
 J. M. Smith

operation of mercury ~~is~~ I have
used that as well as other cold
applications Dr Bloomfield
used the cold shower bath
and the partial cold bath to as-
sist the operation of mercury

It tells us that mercury acts sooner
in moist weather

6th Mercury is greatly assisted by
being combined with Iodine in
producing salivation

7th With antimonial powder
8th With friction & mercurial
ointment

9th Rubbed or mixed mercury
to be joined with Calamel & Cor-
sub. friction When we wish
to give Calamel secretly we may
put it on bread and butter and
run once the pot to eat it It
is not necessary in order to pro-
duce a secretion that a profuse
salivation be induced or even

a Phlegm and in some cases not even a soreness of the gums

For Restraining a Salivation
V. Purges, Blister Oil and Bala

The Phlegm & Mucous Salivates come
out of pain in the West Indies

11 out of 12 in the yellow fever
this must be owing to a left

morbid action existing in the
Vessels of the West Indies than
in Pennsylvania a Salivation is
indicated

1st The Malignant and such other
fevers as are not removed by other
means The morbid action of
the head lungs liver & spleen
Kidneys &c

3^d The Marhea & Dysentery

4th - dysphagia

5th The visceral obstructions

6th The old ulcers both external
and internal which have re-
sisted the power of other means

1. The first of these is the
the second of these is the
the third of these is the
the fourth of these is the
the fifth of these is the
the sixth of these is the
the seventh of these is the
the eighth of these is the
the ninth of these is the
the tenth of these is the
the eleventh of these is the
the twelfth of these is the
the thirteenth of these is the
the fourteenth of these is the
the fifteenth of these is the
the sixteenth of these is the
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the fifty-eighth of these is the
the fifty-ninth of these is the
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the eighty-eighth of these is the
the eighty-ninth of these is the
the ninetieth of these is the
the ninety-first of these is the
the ninety-second of these is the
the ninety-third of these is the
the ninety-fourth of these is the
the ninety-fifth of these is the
the ninety-sixth of these is the
the ninety-seventh of these is the
the ninety-eighth of these is the
the ninety-ninth of these is the
the hundredth of these is the

7th In convulsive diseases or 7th in
num 0.

Salivation is forbidden

- 1st In highly excited states of Fever
- 2^d In low and exhausted states. He
- 3^d In children under 6 years of age
- 4th In persons above 60
- 5th In those having many loose
cured teeth

6th In diseases ending readily
to a crisis Mercury will never
produce gangrene when the sys-
tem is sufficiently reduced or after
salivation has taken place
It is to be regretted that mer-
cury is such a toothsome remedy
but man first lured with his
mouth and to his mouth must
medicine be administered to
remove that sin

The first consideration is the
 nature of the
 situation in the
 the first place
 the second place
 the third place
 the fourth place
 the fifth place
 the sixth place
 the seventh place
 the eighth place
 the ninth place
 the tenth place
 the eleventh place
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 the ninety-fourth place
 the ninety-fifth place
 the ninety-sixth place
 the ninety-seventh place
 the ninety-eighth place
 the ninety-ninth place
 the hundredth place

Erbines act by depleting from the
nose and are of two kinds

- 1st Those which ~~increase~~ deplete from
the nose without inducing sneezing
as Sal ammoniac Turpeth min. &c
- 2^d Those which deplete from the
nose and induce sneezing
as Tobacco &c

Expectorants are

- 1st Demulcents flax seed &c and
Horse Radish tea &c
- 2^d Emetics or expectorating Med. such
as Squill
- 3^d Vol alk Selt. Smok of Bar Beer
warm Beer &c

Expectorants are indicated in
certain Pneumonia Idiopathic
Pulmonalis & here the 1st & 2^d
class should be used as also in
weak morbid action of the
lungs, here the 3^d class is required

I have been thinking of you
 very much lately and
 wondering how you are
 getting on. I hope you
 are well and happy. I
 have been very busy
 lately but I will write
 to you soon. I love you
 very much.

Emmenagogue according to the action
of the system The diseases of great
morbid action V. should be used
and they repressed from but
in cases of weak morbid action
calyblister and exercise should
be used for these cases in these
cases I have generally used steel
which I believe only fails when
given in improper doses and
matters are scarcely worth our
notice as emmenagogues

Blister act

- 1st Slowly as can stand
- 2 Suddenly as boiling water

They are indicated

- 1 The general disease here the 1st
is left is to be used
- 2 The local Congestion of the
head however &c here also the first
class should be used

Let the Government of the
the Government of the
the Government of the
the Government of the

They are in the center

the Government of the
the Government of the

the Government of the

the Government of the

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3^d In sudden congestions, here the second eff^t should be repeated

The following rules are to be observed in the use of blisters

1st They should remain on until

they produce a copious discharge

2 When applied to the head they should remain 24 hours

3 Blisters never discharge much after the second dressing new ones should be applied if necessary

Blisters are for hidden

1st In great morbid excitement

2 In habits highly irritable
and persons liable to suppurate from sthenia

3 In weak morbid excitement

4th In pregnancy there appears to be a morbid action on blistering point above or below which it is improper to blister this point must be discovered by the pulse

The first three conditions have the
same effect. There is no
the following conditions are to be
shown in the case of children

1st They should be seen in the
light of day & not in the
dark or at night to the best of
their power

2nd They should be seen in the
light of day & not in the
dark or at night to the best of
their power

3rd They should be seen in the
light of day & not in the
dark or at night to the best of
their power

4th They should be seen in the
light of day & not in the
dark or at night to the best of
their power

5th They should be seen in the
light of day & not in the
dark or at night to the best of
their power

Opium are medicines which lessen
the quantity of fluids slowly or
curetic letans perpetual blisters &c
Opium are indicated

1st When a gradual abatement of
morbid excitement is required

2nd In local congestion

3rd In cutaneous eruptions of the
parts necessary for motion

Opium act chiefly or indirectly
by equalizing morbid excitement
and when the system has been
habituated to them they should
be relinquished with great caution
I have thus mentioned the rem-
edies for diseases in an open &
sensible form we come now to
the second class

Stimulants These I shall
divide into Stimulants proper
or so called or those which remove

mechanical action from one part
of the body by exciting it in and
then less essential to life & in to
Tonics which prevent the recurrence
of disease by removing predispo-
sition debility both of these ~~act~~
act by converting excitability into excite-
ment and when they cure without
abstracting any of the fluids of the
body Wine and Opium are diffusi-
ble Stimulants but all act more
or less on the whole system
but not so with those Stimuli
that destroy irritability or mor-
bid action by force such as ceru-
sa acetata. Digitalis and niter
inata which resemble more
the breaking down & then to get
into the house than turning
they key but depletion should
be used in most cases in
preference to such remedies
altho depletion in hemorrhages

[The page contains faint, illegible handwriting, likely bleed-through from the reverse side.]

is certainly proper yet Sugar of lead
often good when that has failed in
this case the lead acts by lessening the
excitability confusion when cured
by Apsatilis and Opium of ten
Returns Stimuli to reduce great
morbid action act by reducing
great morbid action as labour
and exercise but in general they
do great violence to the System
and are much inferior to deple-
ting remedies They act more gently
in ~~muscular~~ muscular than
arterial diseases Some diseases
are however beyond the reach of
depleting remedies as Tetanus &
the morbid grades of bilious fever,
here the Opium and bark act by
prostrating the System below
the morbid action and then
by raising excitability a fever
now arises when are Stim-
ulants to be used This must
be regulated by the Stage of the

Stage of the disease state of the system
but more particularly by the
state of the pulse When they ac-
casion heat and a frequent low
pulse they are unbroken but if
they induce none of the above
symptoms but impart a fullness
and slowness to the pulse they
may be used with advantage
and the saying that there is
a time for all things, is in no
thing more striking than in
the manner of exhibiting med^c

The manner of giving Stimulants
in rotation I once cured a case
of Tetanus 1st Wine 2 Bark & Opi
4th Brandy & Water and then
the Tonics again but more
of this here after of those med^c
which remove disease by indu-
cing a stronger and less diseased
action

in the affected or some other part
of the body of this stimulus and
they should be preceded by re-
solving the system below point by
means of depletion but not
withstanding this holds good as
a general rule yet there are
two exceptions to it

1st When it is necessary to de-
stroy irritability in Hemorrhies
by Sac Saturni and in other
cases by Digitalis

2^d When we discreate excitability
as in Tetanus when excite-
ment is accumulated begin with
small doses of Stimuli and
observe at the same time to
deprive the system from the
stimulus of heat conversa-
tion &c for this by hanging on
the system will defeat the intention
of the medicine

The Stimulus after bleedings over or
twice in season to suspend the cough
by Opium but when there is no ac-
cumulation of excrements begin with
large doses of Stimulating medicines
after defecation especially in
chronic diseases and in the
beginning of Typh fever when
attacks excitability nearly ex-
hausted by morbid debility do
not combine too many Stim-
ulating medicines together for
they generally act best in a
simple form but to this
there are some exceptions
use them in Succession and
rotation for the system will
often become insensible to
one Stimulant continued
whereat another the weaker
will effect it.

The following is a list of the names of the persons who have been appointed to the various committees of the Board of Directors of the New York and New Jersey Electric Light and Power Company, for the year ending December 31, 1901.

Siquid Laudanum may be
usefull when Opium fails & recovers
Dr. Druitt tells us that an opiate
pill made six month well
sometimes do harm It is now
~~known~~ that no two medicines
even of the same class produce
the same effect The Stomach
will sometimes bear Quina
and not Calumba and vice
versa Opium's disease as the
intermittents frequently change
the place to which Stimuli
are to be applied inured to
to them apply them to the
Skin when still retains its
sensitivity as blisters to the
abdomen In chewing Tobacco
on one side of the mouth the
side not accustomed to it is
much easier effected with it than
that which is accustomed

even snuff when taken only in
one nostril that man which is
habituated to it becomes more
insensible to its use than the
other. Opium sometimes is
ineffectual when taken into
the stomach but by throw-
ing it up the intestines often
proves active. Opium often
becomes inert in the sto-
mach but by injecting he
comes active as in the form
of a bark Tincture & Electricity
when applied to the breast
of a cook is said to revive him
and to counteract the effects
produced by it on the head.
Opium obviates the effects of
Opium when applied in a
different manner from the
first mode of exhibition.

+ Dr. R. mentions Judge Robinson's Wife as the person who could not hear the firing of a cannon but could distinctly hear the firing of a musket, who could not hear the loudest hollowing but could ~~distinctly~~ distinguish the softest notes of music, could not hear the beating of a drum but could ~~very faintly~~ ^{distinctly} hear ^{the} thrust of a pier thro. a piece of paper —

Mercury Christies the effects of mer-
cury but the practice is not safe
Having admitted that those were
specific stimuli we are obli-
ged to admit an indefinite
number of them But those
which are feeble from the
various changes of the irritabil-
ity of the system as emetics
when the stomach has lost its
sensibility is most because its
muscular fibers do not submit
in unison with the medicine
Weak stimuli some times act
when I have said strong sur-
ges destroy the considerable pow-
er of the stomach whereas weak
ones assist in recovering that
power. I once saw a person who
could not hear the firing the
firing of a Cannon but could
distinctly hear the pushing of
a pin

After my father's death the estate of the
family was divided into three parts. One part
was given to my mother, one to my sister
and one to myself. My mother's share was
the largest, and she lived in the house
which she had bought with her share of the
estate. My sister and I lived in the house
which my father had bought with his share
of the estate. My mother's share was
the largest, and she lived in the house
which she had bought with her share of the
estate. My sister and I lived in the house
which my father had bought with his share
of the estate.

a pin thro a paper I also knew
a gentleman affected with he-
miplegia who did not feel
a pin when pushed into the
affected ~~part~~ side but was im-
mediately affected with con-
vulsions by touching it In all

chronic cases I found antispasmodics
begin in the morning for
at this time the excitability
is more accumulated Baron
Hamboldt says there is a cer-
tain relationship kept up
between the different stimuli
according as they are given in
succession Alkali for instance
will restore the excitability of
the stomach when disabled by
acids but acids will not be
destroyed by acids Alkalies does
the Alkali act by exciting the
dormant power of the stomach

faculty of the Stomach

Medicines which remove morbid action in a part by exciting it in another less essential to life. Many Physicians do this without knowing. A headache is cured by a diaphoretic natural Hemorrhages by the morbid action in the viscera by blisters Dropsies by Diuretics act upon the Kidneys morbid action of the lungs by emetics acting on the Stomach Apoplexy by

The morbid action being thus transferred Dr Hartley tells us he gave a Dose of Nuxvomica and then severely whipped him and that the Nuxvomica had not the best effect upon him owing to the impression of the Skin predomining over that of the Stomach observe that there is but one impression felt at the

among those of animal force
and that is the strongest
1st You must reduce the morbid
action below the stimulating
point ~~so~~ that the medicine
may at once predominate
over the remaining morbid
action. Repeat it again then
use exciting & reflecting blister
ing and sweeting paints &c
which is as necessary for the
Physician to know as that the
man should know the signs
when discover a point
to be ^{noticed} ~~point~~ that the part in
in which you excite morbid
action is ~~in fact~~ ^{is} he left essential
to life than the part from which
you attempt to remove it to this
there are three exceptions
1st In convulsions & Epilepsia ele-
num has been induced by Chi-
nese advantage

our way of life of any more force
and that is the thing

I am sure you will agree the matter is
a very serious one the thing is
to find out what the matter is
and if once we have found it

we will be in a position to
take the necessary steps to
remove the cause of it and then
we will be in a position to
take the necessary steps to

remove the cause of it and then
we will be in a position to
take the necessary steps to
remove the cause of it and then

we will be in a position to
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remove the cause of it and then
we will be in a position to
take the necessary steps to

2^d Tetanus is often cured by Ammonia

3^d In Pleurisy it is most essential to apply blisters to the affected part and in peritonitis it is sometimes necessary to bring on labor to such a degree as to endanger life in order to accumulate excreta in the stomach

4th To prevent unsuccessfull practice enquire into the ~~past~~ ^{habitual} peculiarities of the past habitual diseases but in dangerous diseases little attention is necessary to the effect of Med:

4 When the second ^{morbid} ~~reaction~~ action which has been excited becomes languid a third must be excited for pain from habit becomes pleasurable

5th Attend to association in this case for instance we should

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

Stimulate the feet in part because
they are more predisposed to the disease
The I stimulate I include the
passions as anger & terror but the
agreeable passions more frequently
cure diseases by forenoon operating
over a painful impression
I knew a man who could relieve
himself at pleasure by shaving
pronouncing popular names
words or events sometimes Nelson
Dain Wake and faith these some
times wonderful effect in curing
disease

Medicines which prevent
the recurrence of disease by re-
moving and succeeding debility
These I shall call Tonics and
the rules necessary to be observed
in their exhibition are the
following

1st They are always to be exhibit
all in doses less than are necessary
sufficient to remove the morbid
action

2 For the choice of your Tonics
always prefer such as are of a
pleasant operation as aliment
in the use of which observe the
following rules

1st always prefer that which is
agreeable to the taste and sto-
mach altho there should be
no appetite still continue
to give the aliment for who
would wait for an appetite
to give medicine

2nd Recommend to a debilitated
person to use them 4 or 6 times
a day and once or twice at
night if sleepless but the
stomach of a debilitated person is
like a school boy if he be idle
will do mischief

1st of July one thousand eight hundred and
eighty three
I have the honor to acknowledge the receipt of
your letter of the 27th inst. in relation to
the same. I am sorry to hear that you are
unwell and hope that you will soon be
able to resume your usual avocations.
I am, Sir, very respectfully,
Your obedient servant,
J. M. Smith

a full meal however when debilitated should be avoided

3 Accommodate the diet to the excitability of the system Salt food should be preferred for it makes the most flesh while liquid makes the most fat.

3- The less nourishing is preferable to that which is more so in diseases of debility Salt meat is preferable to that which is fresh on this account

6th There are cases where only one kind of food is required

A gentleman of this city was affected with violent stomach complaints was cured by the use of boiled turnips alone Boiled carrots are said to cure the asthma bread and milk the plant a diet solely of fish has cured certain inflammations of the liver

The Stomach prefers a Homogen-
eous food Beef, Mutton have cured
Dyspepsia and Oyster milk and
absolutions

7th A Diet of the same aliment
given by weight and measure
has cured diseases. A boy was cured
of Cholera by feeding upon
the milk of a cow which was
fed on grass in the summer
and hay in the winter but
his disorder always returned when
he used the milk of a cow which
was fed on grain
8 Uncommon hours in eating are
thoroughly necessary the sooner
after leaving our bed the better
Tonic Drinks can be used these
kinds as 1st malt liquor

2^d Different kinds of wine as Medana Sherry

3^d Less wines as Malaga Port Chateau

Waggon and cider you see I do not include ancient Sherries for a man had better die than use this detestable Romanian remedy In chronic cases they are always injurious as their use will generally create an attachment to them which when confirmed by habit cannot be eradicated

4th Cold and warm bath removes debility and cures of weak motion action The warm bath should be used between 12 and 1 O'clock only The temperature of the cold bath should be (between) from 32 to 65 The cool from 65 to 85 The warm from 85 to 108 hot 108 to 110 That is

The warm bath is very much used in Italy The cold bath acts indirectly as a tonic

ably having heat and accumulated exci-
tability in to excitement to be more
effectual it should be used after
the warm bath I shall now make
a few observations on the cold bath
1st It should be preceded by the

warm
2^d It should be temperate when
the water is cold it should be
warmer and vice versa

3^d It should be used 2 or 4 times
a day

4th In a warm room during the
winter

5th Exercise and friction should succeed

5th Exercise holds a high rank
among the class of tonics or obviating
from the debility and may be di-
vided into active and passive

The former includes walking & running

The latter includes friction rock-
ing in a cradle chamber horse

Swinging & Riding on horseback
is partly active & partly passive

The following are the rules to be observed in using exercise 1

1st For great debility begin first with the friction or friction the effects of which in overcoming debility is wonderful it increases the action of the blood vessels also the muscles and secretion as well as sensation The change is remarkable but this remedy and carry it so far as to have proper friction as we have ~~barbers~~ barbers The exercise of the hands in shuttle cock The good effects of this we see ~~so~~ clearly in Taylor shoemakers ladies & swinging sailing and riding are the next stages of exercise as they occur in the open air swinging is good when the foot is unable to take the other kinds of exercise 2nd we recommend in consumption by Dr. Hays Garth & Smith

I found one case of this disease com-
pletely Swinging Sailors &c. It cre-
ates a disease in the stomach
and thereby carries off the seeds &
effects of the Swinging disease it
also keeps up a continued conflict
between the passions. Sailors are
generally when the vessels are better
clean. The Balloon used formerly
only in time of war may yet
come to be used in cases of debility.
Partial exercise as before observed
removes debility a person a person
held one hand in water at 62 and
when it could be raised to 64 by
the heat of the hand by exercising
with the other it was raised to
68 Riding on horse back is highly
recommended in consumption
it expends less excitability than
walking when may be used in
cases where it is necessary to
expend ^{much} excitability.

- 2^d Avoid all fatigue
- 3 Accommodate exercise to the state of Debility
- 4th The same rule may be observed in exercise as in that of eating not to take too much at a time or to render you unable to take more immediately afterwards without injuring Pat^s are often in this respect un governable
- 5th Exercise should never be prescribed before breakfast or immediately after a meal different kinds of exercise suit different kinds of disease as exercising the muscles of the back in Nephritis
- 6th Debility is to be removed by a change of occupation
- 7th Travelling is a great exercise from the Strenuous which attends it and change of air and succession of new objects

8th Changes of climate and former associations are useful in removing ~~the~~ nervous diseases as ~~the~~ ^{the} Chondriasis Hysteria Chilblains &c and even convulsions are cured by it. These are improved by change of climate and men grow better their times by it especially the old when they change from a cold to a warm climate

9th An unbecoming climate for invalids is different from that which they have been accustomed will be of considerable service in certain cases of debility a warm room from 72 to 78 degrees and keys should be used and in order to keep the room from being too warm a vessel of water should be kept on the stove which will evaporate at a certain degree and thereby cool the room by its vapour 112

10 Change of dress wet and mauler
is frequently of great service

11 Cheerful and agreeable com-
pany ~~books~~ with entertaining
company books, Obviate debility

12 Advise concubine to go
to bed early at a stated hour and
to observe the same rule strictly
in getting up in the morning

13 Strictly forbid their going into
the night air or moist weather
as also the gratifying of the ven-
ereal appetite

14th Accommodate their dress
to the weather Their dress had
better be three degrees too hot
than one too cold it should
be loose and without ligatures
flannel should be next the
skin they should sleep between
blankets

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